



Arboricultural Impact Assessment & Tree Protection Management Plan

Version 2

Banksmeadow Estate

130 Wentworth Ave,
Banksmeadow NSW 2019

Inspection Date: July 2023

PREPARED FOR:

ESR Developments (Australia) Pty Ltd
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Sydney NSW 2000

Document Information

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Project Name:	Banksmeadow Estate
Reference #:	E-002128-24
Client:	ESR Developments (Australia) Pty Ltd
Site:	130 Wentworth Avenue, Banksmeadow NSW 2019
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Document Status

Status	Date	Revision type
Version 1 - Draft	1 November 2024	
Version 2	8 November 2024	Revised text related to client name, development details and minor clarifications. Rectified errors in SEARs table.

Review Register

Date	Reviewed By	Approved By
1 November 2024	MM	KH
8 November 2024	MM	KH

Report Assumptions and Limitations

1. Information provided by the client or third party is assumed to be accurate.
2. All information has been sourced with care and verified to the best of the consultant's knowledge. Any opinions not duly researched are based on the consultant's experience and observations.
3. The consultant is not required to give testimony or attend court unless under a contractual agreement, subject to payment of additional fees.
4. Modifying or removing any key contextual elements will invalidate the report.
5. The report does not guarantee that future problems or deficiencies associated with the site or vegetation will not arise.
6. The report addresses the items outlined in the project brief or examined during site inspection and reflects the condition of these items at the time of inspection.
7. The inspection is limited to ground-based inspection of accessible areas and does not include dissection, excavation, or probing unless specified.
8. The report is an impartial assessment of the tree(s) and its condition based on available evidence and projected outcomes.

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Abbreviation	Meaning
AIA	Arboricultural Impact Assessment Report
AQF	Australian Qualification Framework
AS	Australian Standard
BAM	Biodiversity Assessment Method
BC Act	<i>Biodiversity Conservation Act 2016</i>
BCSEPP	<i>State Environmental Planning Policy (Biodiversity and Conservation) 2021</i>
cm	Centimetre
DBH	Diameter at Breast Height
DCP	Development Control Plan
DRB	Diameter at Root Buttress
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
EPBC Act	<i>Commonwealth of Australia's Environmental Protection & Biodiversity Conservation Act 1999</i>
IACA	Institute of Australian Consulting Arboriculturists
ISA	International Society of Arboriculture
GIS	Geographic Information System
GPS	Global Positioning System
LEC	Land and Environment Court of New South Wales
LEP	Local Environment Plans
m	Metres
mm	Millimetres
NDE	Non-destructive excavation
NSW	New South Wales
PCT	Plant Community Type
PDA	Preliminary Development Assessment
PHC	Plant Health Care
REF	Review of Environmental Factors
SEARs	Secretary's Environmental Assessment Requirements
SEED	Sharing and Enabling Environmental Data
SEPP	State Environment Planning Policies
sp.	Species
SRZ	Structural Root Zone
SSD	State significant development
SSI	State significant Infrastructure
STARS®	IACA Significance of a Tree, Assessment Rating System
TEC	Threatened Ecological Communities

Arboricultural Impact Assessment

Banksmeadow Estate
130 Wentworth Avenue, Banksmeadow NSW 2019



Abbreviation	Meaning
TPP	Tree Protection Plan
TPZ	Tree Protection Zone
ULE	Useful Life Expectancy
VTA	Visual Tree Assessment

Executive Summary

Canopy Consulting has been commissioned by ESR to prepare this report in accordance with the technical requirements of the Secretary's Environmental Assessment Requirements (SEARs), and in support of the State Significant Development Application (SSD-73846459) for the proposed multi-storey warehouse facility at 130 Wentworth Avenue, Banksmeadow NSW 2019.

SEARS Table			
SEARS Item	Item No.	Requirement	Report Reference Point
Landscape Design Report	#7	Provide a detailed site-wide landscape plan that: - identifies the number and location of trees to be removed and retained, and how opportunities to retain significant trees have been explored and/or informs the plan. - details the proposed site planting, including location, number and species of plantings, heights of trees at maturity, and proposed canopy coverage (as a percentage of the site area). - demonstrates how the proposed development would: - contribute to long-term landscape setting in respect of the site and streetscape. - mitigate the urban heat island effect and ensure appropriate comfort levels on-site. - contribute to the objective of increased urban tree canopy cover.	- Section 5.5 addresses number, retention values and location of trees to be removed and retained. - Section 6.2 confirms number of trees to be retained and removed. - Section 5.5 discusses measures required to minimise impact on retained trees and details consultative process which has allowed retention of a significant number of site trees.

SEARS Table			
SEARS Item	Item No.	Requirement	Report Reference Point
		○ maximize opportunities for green infrastructure, consistent with Greener Places and having regard to any bush fire risk	
Biodiversity Development Assessment Report or BDAR Waiver	#9	● Assess any biodiversity impacts associated with the development in accordance with the Biodiversity Conservation Act 2016 and the Biodiversity Assessment Method 2020, including the preparation of a Biodiversity Development Assessment Report (BDAR), unless a waiver is granted, or the site is on biodiversity certified land. ● If the development is on biodiversity certified land, provide information to identify the site (using associated mapping) and demonstrate the proposed development is consistent with the relevant biodiversity measure conferred by the biodiversity certification.	● Section 5.5 addresses number and location of trees to be removed which accurately reflects tree quantity and species.

This report is required in support of addressing the requirements of items 7 & 9 of the SEARs, which will inform the site-wide landscape design of the proposal.

The report provides information on tree retention values, assesses project impacts, and offers recommendations for minimising negative impacts and preserving trees, where appropriate.

The report follows the Australian Standard AS4970-2009 *Protection of trees on development sites* to provide tree protection recommendations and uses the IACA Significance of a Tree Assessment Rating System (STARS)© to assess tree significance and allocate retention values.

The report also evaluates encroachments on Tree Protection Zones (TPZ) and Structural Root Zones (SRZ), with less than 10% TPZ encroachment considered minor, provided it is outside the SRZ, and greater than 10% or within the SRZ considered major.

Inspected trees have been physically identified with numbered metal tags affixed to the southern side of the tree at approximately 2m above ground level. Where trees were similar in size, species, and location, they were grouped together.

Findings are summarised in Table 1.

Table 1: Impact Assessment Summary

Recommendation	Tag/Tree QTY (Tree QTY)
Remove - project impacts	339 (448)
Remove - irrespective	71 (73)
Retain - generic	176 (266)
Retain - generic plus	11 (11)
Total	597 (798)

A total of **505 trees** (395 tags) have been identified with major TPZ encroachment as a result of the proposed development layout. The impact on these trees varies based on their positioning in relation to critical project elements, such as driveways, hardstand areas, crossovers, retaining walls, and foundational structures. Additionally, several trees are located within zones where significant cut and fill activities are anticipated, impacting root structures and overall viability.

Trees Recommended for Removal

Of the impacted trees, **448 trees are marked for removal** (339 tags) due to unmitigable project impacts. These impacts arise due to the following key factors:

- **Position within the Hardstand and Development Footprint:** Trees that fall within essential areas for construction, including driveways, security fencing, crossover points, structural foundations, and stormwater where relocation or design alteration was deemed impractical.
- **Unsustainable Cut and Fill Activities:** Certain trees are affected by major grading and excavation required to achieve compliant stormwater and civil design levels. Although various grading and fill strategies were explored to optimise tree preservation, the final layout necessitated the removal of trees in areas where these adjustments could not sustainably maintain tree health.
- **Group Dynamics and Associated Risk Factors:** Within groups of trees, large specimens identified for removal due to project impacts indirectly impact neighbouring trees. For example, smaller or asymmetrically formed trees within these groups, though technically retainable, may pose an undesirable safety risk or develop poor structural form if retained in isolation.

The trees proposed for removal are categorised by their Retention Value as follows:

- **High Retention Value:** Despite efforts, **166** trees will require removal.
- **Medium Retention Value:** **215 trees** (108 tags) will require removal.
- **Low Retention Value:** **67 trees** (65 tags) will require removal.

This total includes **16 council-managed street trees** (specifically, Trees 1, 4, 10, 15, 16, 17, 23, 24, 26, 27, 31, 32, 51, 53, 593, 593a). Their removal will necessitate consent from Bayside Council, as these trees are located on public land and fall under local council jurisdiction. It should be noted that tree 593a is a group of trees and only trees affected by the proposed fence line will need to be removed.

Trees Recommended for Retention

In alignment with tree preservation goals and ongoing consultations with the design team, **11 trees** are recommended for retention with **design consideration or modifications or plant health care measures** implemented to ensure their viability through construction. These retained trees include:

- **High Retention Value Trees:** 9 trees
 - 13, 20, 50, 81, 450, 453, 461, 501, 541
- **Medium Retention Value Trees:** 2 trees
 - 11, 451

Specific design modifications or considerations are required to support tree retention:

Trees 11, 13, 20:

- **Requirement:** The footpath near these trees must be designed to avoid damaging the root systems by being "tree sensitive."

- **Installation Detail:** The footpath should be laid at or above the existing soil level, which prevents the cutting or compaction of roots that would typically occur if the path were installed below grade or required excavation.

Trees 81, 501:

- **Pre-Construction Preparation:** To support the health of these trees before any construction activities, irrigation systems and a layer of mulch should be applied within the Tree Protection Zone (TPZ). This preparation helps minimise stress from surrounding activities.
- **Soil Conditioning:** In addition to the above measures, treatments with a seaweed-based soil conditioner are to be applied every six weeks. Seaweed conditioners are rich in nutrients and can enhance root health and overall resilience, aiding the trees' ability to recover from any stress caused by nearby construction.

Tree 541:

- **Infrastructure Relocation:** A hydrant booster currently located along the edge of the structural root zone area needs to be moved 5 metres westward. This relocation will reduce potential impacts on the tree's root zone, which could be compromised if construction remains too close.

Tree 50:

- **Root Impact Investigation:** A thorough root investigation is required to assess whether the proposed construction will impact this tree. This investigation will guide decisions on adjusting construction methods to prevent harm.
- **Footpath Installation:** Similar to Trees 11, 13, and 20, the footpath around Tree 50 should be installed above grade without altering the existing ground level. This approach will help avoid damage to roots that are close to the surface, should root investigation determine it can be retained.

Trees 450, 451, 453, 461:

- **Walkway Construction:** For these trees, the walkway must be fully elevated as indicated in the design, with flexible pier locations. Flexible piers allow installation adjustments to avoid critical roots.
- **Crown Conflict Avoidance:** The construction process must avoid conflicts with the tree crowns. For example, if cranes or other machinery are used, their movement and placement should be planned to avoid descending through or damaging the tree crowns, which could cause physical harm to the canopy and increase stress on the trees.

Additional Trees with Minimal Impact

All remaining trees are unlikely to be affected directly by the project. These trees can be retained with generic protection measures to ensure minimal disturbance to their root zones and canopy during construction.

Project Summary

In summary, the proposed development will result in **removal of 521 trees (410 tags)** and the **retention of 277 trees (187 tags)**. This assessment considers all feasible design alternatives explored to reduce the project's impact on the existing tree population.

Table Of Contents

1. Background	13
1.1. Introduction	13
1.2. Site Details	13
1.3. Reviewed Plans and Documents	15
1.4. Development/Project Description	16
1.5. Legislative Context	18
1.6. Planning & Tree Management Controls	18
1.7. Additional Legislative Protections	18
2. Scope	21
3. Method	21
3.1. Data Collection	21
3.2. Useful Life Expectancy	22
3.3. Retention Value	22
3.4. Tree Protection Zone and Structural Root Zone	22
4. Observations	23
4.1. Site Soils	23
4.2. Summary of Tree Observations	23
4.3. Tree Significance	26
4.4. Retention Value	28
5. Discussion	38
5.1. Tree Protection Zone (TPZ)	38
5.2. Structural Root Zone (SRZ)	38
5.3. Acceptable Encroachments into the TPZ	38
5.4. Impact Mitigation Measures	38
5.5. Impact Assessment	40
6. Recommendations	53
6.1. Project Arborist	53
6.2. Tree Retention and Removal	53
6.3. Offset Planting	55
6.4. Generic Tree Protection	56
6.5. Specific Tree Protection Measures	57
6.6. Tree Pruning	58
6.7. Compliance and Certification Reporting – Hold Points	60
6.8. Tree Sensitive Construction Methods	60
7. Arboricultural Method Statement – Pre-Construction & Demolition	63
7.1. Site Establishment	63
7.2. Tree Protection Zone Fencing	63
7.3. Prohibited Activities within the TPZ	64
7.4. Tree Protection Signs	65

7.5. Sediment Control	65
7.6. Ground, Trunk and Branch Protection	65
7.7. Demolition of Existing Hard Stand Areas	66
7.8. Scaffolding	67
8. Arboricultural Method Statement – Construction Stage	68
8.1. Excavations Within Tree Protection Zones	68
8.2. Tree Damage	69
9. Arboricultural Method Statement – Post-construction	69
9.1. Defects Liability Period	69
9.2. Final Certification	69
10. References	70
11. Appendix A - IACA Significance of a Tree, Assessment Rating System (STARS) ©	71
12. Appendix B - Tree Assessment Schedule	74
13. Appendix C – Tree Protection Management Plan	75

1. Background

1.1. Introduction

Canopy Consulting has been commissioned by ESR (the client) to prepare this report in accordance with the technical requirements of the Secretary's Environmental Assessment Requirements (SEARs), and in support of the State Significant Development Application (SSD-73846459) for the proposed multi-storey warehouse facility at 130 Wentworth Avenue, Banksmeadow NSW 2019.

The client has engaged Canopy Consulting to investigate trees adjacent to the proposed works where they may be adversely affected by the project.

This report is required in support of addressing the requirements of items 7 & 9 of the SEARs, which will inform the site-wide landscape design of the proposal.

The purpose of this report is to:

- identify trees within the study area
- assign retention values of all trees that may be affected within the site and those on adjoining properties
- to assess the impacts of the project
- provide recommendations for alteration to design or construction methods where necessary to minimise negative impacts
- make recommendations in accordance with Australian Standard 4970–2009: *Protection of Trees on Development Sites* to ensure the viable, long-term retention of trees to be retained where appropriate

1.2. Site Details

Table 2: Site Details

Site Address	130 Wentworth Ave, Banksmeadow
Allotment Type	Commercial
Local Government Area (LGA)	Bayside Council
Lot & DP No.	Lot 11 in DP701187
Zoning & Local Environment Plan (LEP)	E4 - General Industrial under the Bayside Local Environmental Plan 2021 (BLEP)
Site/Study Area (approx.)	44,075m ²

The Site is an irregular-shaped allotment with a primary frontage to Moore Street and a parallel road frontage to Wentworth Avenue. The Site is located on the southern western side of Wentworth Avenue and the northern side of Moore Street, between Baker Street to the west and Corish Street to the east.

The Site is zoned E4 General Industrial pursuant to BLEP 2021. Existing on site is a warehouse development used for the packing of goods, with an expanse of hardstand areas used for parking, loading/unloading and storage purposes. The Site contains a large number of trees and vegetation, generally located along the boundaries of the Site with some trees scattered within the Site in the parking bays. Vehicular access to the Site is via driveways from Moore Street. Metal and mesh fencing are located around the perimeter of the Site and incorporates three (3) gated entries.

The Site is identified as being a flood control lot. The Site is not identified as a heritage item of local or state significance, nor is it located within a heritage conservation area.

The existing site context is shown in Figure 1 and Figure 2 below.



Figure 1: Cadastral Map. (Sixmaps, 2024)



Figure 2: Aerial Map. (Nearmap, 2024)

1.3. Reviewed Plans and Documents

This report has relied on the following plans and documents:

Table 3: Reviewed Plans and Documents

Title	Author	Dwg. No.	Revision	Date
INITIAL ISSUE	LANDPARTNERS SURVEYORS AND PLANNERS	SY075900.000.1.1	1	17/08/2023
ESR Banksmeadow Estate	Nettleton Tribe	DA00-DA95	A	20/09/2024
DRAWING LIST & GENERAL NOTES	COSTIN ROE CONSULTING PTY LTD	C014.726.01-SSDA 100	B	25/10/2024
EXISTING SERVICES PLAN	COSTIN ROE CONSULTING PTY LTD	C014.726.01-SSDA 150	A	25/10/2024
EROSION AND SEDIMENT CONTROL KEY PLAN	COSTIN ROE CONSULTING PTY LTD	C014.726.01-SSDA 200	B	25/10/2024
EROSION AND SEDIMENT CONTROL DETAILS - SHEET 1	COSTIN ROE CONSULTING PTY LTD	C014.726.01-SSDA 251	B	25/10/2024
BULK EARTHWORKS PLAN	COSTIN ROE CONSULTING PTY LTD	C014.726.01-SSDA 300	C	29/10/2024

Title	Author	Dwg. No.	Revision	Date
CUT & FILL PLAN	COSTIN ROE CONSULTING PTY LTD	C014.726.01-SSDA 301	C	29/10/2024
BULK EARTHWORKS SECTIONS - SHEET 1	COSTIN ROE CONSULTING PTY LTD	C014.726.01-SSDA 351	A	25/10/2024
BULK EARTHWORKS SECTIONS - SHEET 2	COSTIN ROE CONSULTING PTY LTD	C014.726.01-SSDA 352	A	25/10/2024
STORMWATER DRAINAGE KEY PLAN - GROUND FLOOR	COSTIN ROE CONSULTING PTY LTD	C014.726.01-SSDA 400	C	29/10/2024
STORMWATER DRAINAGE KEY PLAN - FIRST FLOOR	COSTIN ROE CONSULTING PTY LTD	C014.726.01-SSDA 401	C	29/10/2024
MUSIC MODELLING CATCHMENT PLAN	COSTIN ROE CONSULTING PTY LTD	C014.726.01-SSDA 410	A	25/10/2024
STORMWATER DRAINAGE DETAILS - SHEET 1	COSTIN ROE CONSULTING PTY LTD	C014.726.01-SSDA 451	B	25/10/2024
STORMWATER DRAINAGE DETAILS - SHEET 2	COSTIN ROE CONSULTING PTY LTD	C014.726.01-SSDA 452	B	25/10/2024
OSD TANK HYDRAULIC DETAILS	COSTIN ROE CONSULTING PTY LTD	C014.726.01-SSDA 460	A	25/10/2024
FINISHED LEVELS KEY PLAN - GROUND FLOOR	COSTIN ROE CONSULTING PTY LTD	C014.726.01-SSDA 500	C	29/10/2024
FINISHED LEVELS KEY PLAN - FIRST FLOOR	COSTIN ROE CONSULTING PTY LTD	C014.726.01-SSDA 501	C	29/10/2024
TYPICAL SECTIONS - SHEET 1	COSTIN ROE CONSULTING PTY LTD	C014.726.01-SSDA 550	A	25/10/2024
TYPICAL SECTIONS - SHEET 2	COSTIN ROE CONSULTING PTY LTD	C014.726.01-SSDA 551	A	25/10/2024
TYPICAL SECTIONS - SHEET 3	COSTIN ROE CONSULTING PTY LTD	C014.726.01-SSDA 552	A	25/10/2024
RETAINING WALL SETOUT PLAN	COSTIN ROE CONSULTING PTY LTD	C014.726.01-SSDA 600	B	29/10/2024
RETAINING WALL TYPICAL DETAILS	COSTIN ROE CONSULTING PTY LTD	C014.726.01-SSDA 651	A	25/10/2024
Landscape SSDA Package	Paddock Studio	Various	Various	24/10/2024

1.4. Development/Project Description

The project area comprises the overall potential area of direct disturbance or impact by the project.

This may be temporary for construction or permanent for operational infrastructure and extend below the ground surface.

Note that proposed laydown areas have not been formally provided, and their impacts have not been assessed.

The proposed development seeks consent for the construction and operation of a multi-level warehouse and distribution centre and includes the following scope of works:

- Demolition of the existing buildings and hardstand;
- Site preparation works, including earthworks;
- Associated landscaping and tree removal;
- Construction of a multi-level car park;
- Construction and operation of warehouse and distribution centre within a two-storey building including ancillary office space; and
- Business identification signage and wayfinding signage.
- Associated landscaping and tree removal.

The proposal layout is shown in Figure 3.

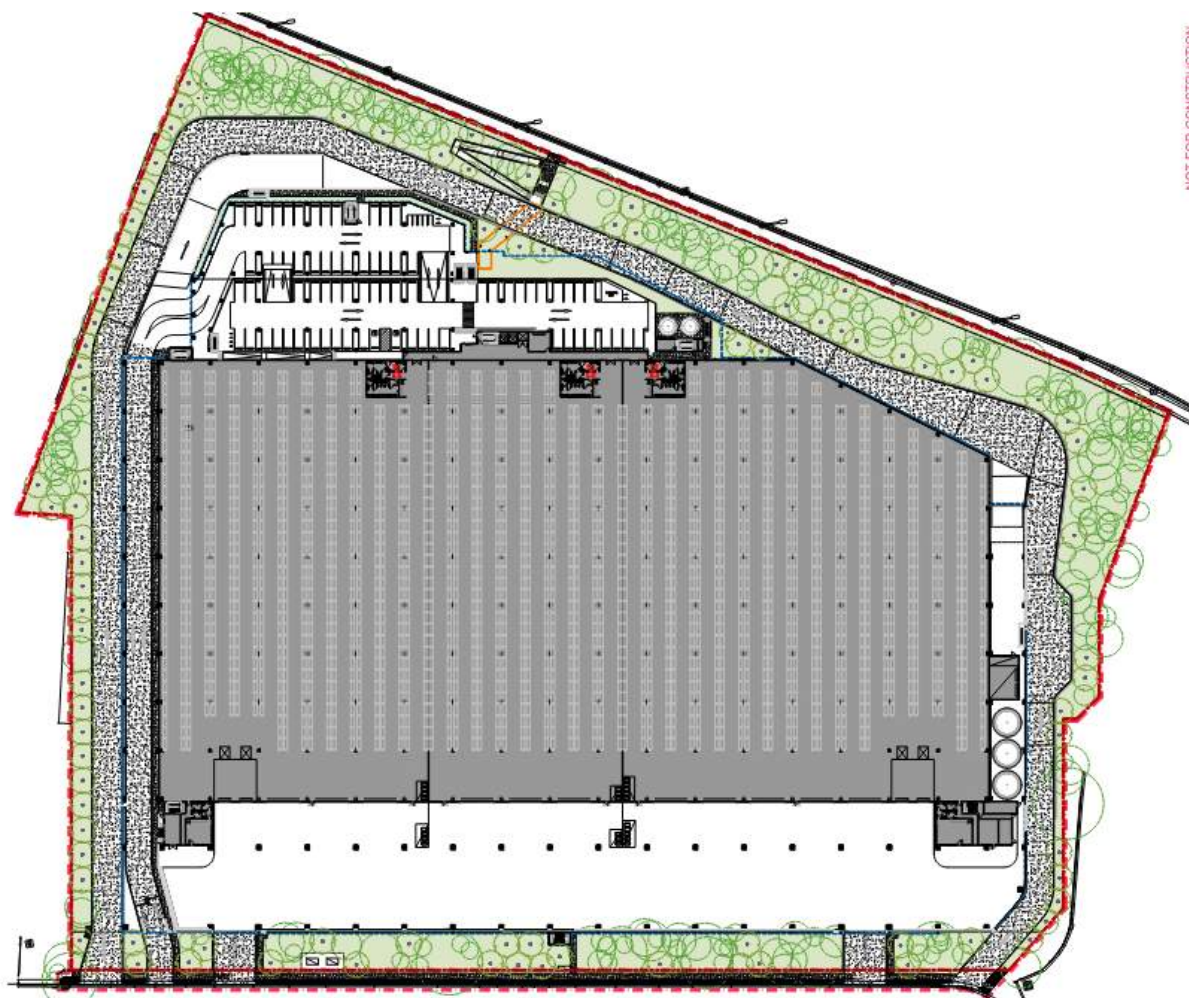


Figure 3: Proposed site layout. (Paddock Studio, 2024)

1.5. Legislative Context

The Commonwealth of Australia's Environmental Protection & Biodiversity Conservation Act 1999 (EPBC Act) manages nationally significant ecological communities and heritage items. The EPBC Act delegates to the NSW Biodiversity Conservation Act 2016 (BC Act) for state and local management of ecological and heritage matters. The BC Act, which repealed the NSW Threatened Species Conservation Act 1995, may require Species Impact Statement and Biodiversity Banking and Offset Scheme agreements determined by the Biodiversity Assessment Method (BAM)

In NSW, the Environmental Planning and Assessment Act 1979 (EP&A Act) regulates significant development and infrastructure through Environmental Planning Instruments (EPI), including State Environment Planning Policies (SEPP) for matters of state or regional significance and Local Environmental Plans (LEP) and Development Control Plans (DCP) for land usage guidance for local Councils.

1.6. Planning & Tree Management Controls

Table 4: Applicable Planning & Tree Management Controls

Local Environment Plan	Bayside Local Environmental Plan 2021
Development Control Plan	Bayside Development Control Plan 2022 (BDCP)
Tree Management Controls	Prescribed trees within the Bayside Council are protected under Part 3.8 of the BDCP made pursuant to Chapter 2 of the State Environmental Planning Policy (Biodiversity and Conservation) 2021 (the BCSEPP). The BDCP does not specifically define a 'tree.' However, the Bayside website provides minimum requirements for when a permit is not required to prune or remove a tree: • No higher than 3m and is no more than 300mm wide at a height of 1m above the ground. • A fruit tree

1.7. Additional Legislative Protections

The following government planning overlays have been reviewed (SEED - NSW Government, 2024). Table 5 indicates the presence of the items on site.

Table 5: Mapping Overlays

NSW OEH	Present on Site	Relevance
Threatened Ecological Communities (TEC) Greater Sydney	☐	Not present on site. No relevance.
State Heritage Register	☐	Not present on site. No relevance.
Biodiversity Values	☐	Not present on site. No relevance.
DCP/LEP		
Heritage	☐	Not present on site. No relevance.
Terrestrial Biodiversity	☐	Not present on site. No relevance.
Environmentally Sensitive Land	☐	Not present on site. No relevance.

Figure 4 shows the site within the local area and associated planning overlays.



Figure 4: The subject site defined with a red polygon and associated planning overlays.

2. Scope

Assess the health and condition of trees on the site and neighbouring properties that may be affected by proposed works to determine tree retention values based on heritage, environmental and arboricultural principles.

Provide as an outcome of the assessment, the following:

- a description of the trees
- observations made
- retention values
- discussion of the effects the location of the proposed works may have on the trees
- make recommendations required for remedial or other works to the trees, if and where appropriate
- provide a description of the works or measures required to ameliorate the impact upon the trees to be retained; by the proposed building works or future impacts the trees may have upon the new building works if and where appropriate;
- or discuss the possible benefits of removal and replacement, if appropriate, for the medium to the long-term amenity of the site.

3. Method

3.1. Data Collection

To record the above-ground health and condition of each tree, a Visual Tree Assessment (VTA), adapted from (Lonsdale, 2013), was undertaken from ground level on July 2023 by Kane Hollstein and Liam Strachan.

This involved an inspection of

- Tree health and structural condition; both long and short term
- Site conditions
- Amenity value
- Heritage value
- Habitat value
- Environmental value

Trees have been physically identified with numbered tags affixed to the trunk of the tree which correspond to numbers in this report.

All diameter measurements were taken with a diameter tape or forestry callipers. All height and canopy spread values were estimated. Any offset measurements were measured with a tape measure.

Data was collected using GIS software linked to a Trimble Catalyst DA-2 GPS antenna with 1cm-2cm accuracy in optimal GPS conditions. Where trees were located on the survey plan, the locations were corrected using the following parameters:

- Locations were corrected to the dwg survey plan where present.
- Where absent from the survey, the GPS location was used. Using this method; locations may be +/- 1m due to tree canopies and GPS interference.

Proposed plans were georeferenced to the survey plan and impacts were assessed in GIS software. Some discrepancies may exist between surveyed boundaries and those provided by the NSW cadastre.

3.2. Useful Life Expectancy

Estimated remaining Useful Life Expectancy (ULE) has been derived using a modified version of the TreeAZ SULE method (Barrell, 2009). An explanation of attributes required to achieve each category can be found in Appendix A.

3.3. Retention Value

The trees' significance rating and retention value were determined using the IACA Significance of a Tree Assessment Rating System (STARS) © (IACA, 2010). The rating was based on the Tree Significance - Assessment Criteria and the Retention Value - Priority Matrix, which considers landscape significance and estimated Useful Life Expectancy. Detailed explanations of the attributes used can be found in Appendix A.

3.4. Tree Protection Zone and Structural Root Zone

The Tree Protection Zone (TPZ) and Structural Root Zone (SRZ) methods have been derived from the Australian Standard 4970–2009: *Protection of Trees on Development Sites* (Standards Australia Limited, 2009). The radius of the TPZ is calculated for each tree by multiplying its Diameter at Breast Height (DBH) by 12.

$$\text{TPZ radius} = \text{DBH} \times 12$$

In the event the crown spread of the tree extends beyond this offset; the TPZ may be adjusted to the outer extent of the crown spread.

The SRZ is the area around the base of a tree required for the tree's stability in the ground. The SRZ is nominally circular with the trunk at its centre and is expressed by its radius in metres.

$$\text{SRZ radius} = (D \times 50)^{0.42} \times 0.64$$

4. Observations

4.1. Site Soils

Site soils are expected to deviate from their natural state due to past urban development. The site is located on the Tuggerah Aeolian soil landscape which is described as 'gently undulating to rolling coastal dunefields. DCP Local relief to 20 m, slope gradients generally 1-10%, but occasionally up to 35%. North— south oriented dunes with convex narrow crests, moderately inclined slopes and broad gently inclined concave swales. Extensively cleared open-forest and eucalypt/apple woodland.' (Department of Planning, Industry and Environment, 2020)

Soils of the Tuggerah Aeolian landscape are characterised by 'deep (>200 cm) Podzols (Uc2.31, Uc2.32, Uc2.34) on dunes and Podzols/Humus Podzol intergrades (Uc2.23, Uc2.21, Uc2.3, Uc4.33) on swales.' (Department of Planning, Industry and Environment, 2020)

Vegetation of this soil landscape is described as 'Almost completely cleared dry sclerophyll eucalypt and apple woodland. Small patches remain, notably in Scarborough Park at Ramsgate. The original native vegetation probably formed dry sclerophyll tall open-woodland or forest. Dominant tree species are smooth-barked apple *Angophora costata*, Sydney peppermint *Eucalyptus piperita*, and old man banksia *Banksia aemula*. The shrubby sclerophyllous understorey contains many species including bracken *Pteridium esculentum*, Christmas bush *Ceratopetalum gummiferum*, woody pear *Xylomelum pyrifolium*, and prickly moses *Acacia ulicifolia*.' (Department of Planning, Industry and Environment, 2020)

4.2. Summary of Tree Observations

Complete tree attributes and observations can be found in Appendix B - Tree Assessment Schedule.

A total of 798 trees were inspected and assessed under 597 tree tags. Where trees shared similar attributes and locations, and were of lower significance, they were grouped together. These groups include tree numbers:

- 2 Dead tree [QTY- 2]
- 12 *Leptospermum petersonii* [QTY- 3]
- 14 *Leptospermum petersonii* [QTY- 3]
- 22 *Callistemon viminalis* [QTY- 2]
- 89 *Olea europaea* subsp. *cuspidata* [QTY- 2]
- 111 *Casuarina glauca* [QTY- 2]

- 133 *Casuarina glauca* [QTY- 6]
- 161 *Casuarina glauca* [QTY- 40]
- 232 Group of trees [QTY- 3]
- 339 *Casuarina glauca* [QTY- 60]
- 350 *Casuarina glauca* [QTY- 2]
- 356 *Casuarina glauca* [QTY- 6]
- 381 *Callistemon viminalis* [QTY- 2]
- 386 *Callistemon viminalis* [QTY- 2]
- 395 *Casuarina glauca* [QTY- 4]
- 397 *Casuarina glauca* [QTY- 4]
- 399 *Casuarina glauca* [QTY- 11]
- 420 *Casuarina glauca* [QTY- 6]
- 424 *Casuarina glauca* [QTY- 2]
- 436 *Casuarina glauca* [QTY- 2]
- 438 *Casuarina glauca* [QTY- 4]
- 466 *Casuarina glauca* [QTY- 3]
- 550 *Casuarina glauca* [QTY- 14]
- 593 *Casuarina glauca* [QTY- 40]

Inspected site vegetation consisted of a mix of locally indigenous, native and exotic tree species.

A review of historical imagery indicates the site was devoid of vegetation as late as 1982, where it appears to be in the process of development into its current form. Therefore, the majority of trees and vegetation are likely to have been planted with seed germination and suckering likely to have occurred in the intervening period.

Photos and a subset of observations can be accessed using this [link](#).

Table 6 summarises the mix of species and origin.

Table 6: Tree Species and Origin Summary

Total Botanical Name	Origin				Grand Total
	Dead or other	Exotic	Indigenous	Native	
<i>Acacia binervia</i>			2		2
<i>Acacia longifolia</i>			3		3
<i>Acacia saligna</i>				4	4
<i>Angophora floribunda</i>				2	2
<i>Banksia integrifolia</i>			5		5
<i>Buckinghamia celsissima</i>				1	1
<i>Callistemon viminalis</i>				21	21
<i>Casuarina cunninghamiana</i>				11	11
<i>Casuarina glauca</i>			277		277
<i>Celtis sinensis</i>		1			1
<i>Corymbia citriodora</i>				6	6
<i>Corymbia maculata</i>			50		50
<i>Cupressus sempervirens</i> 'Stricta'		1			1
Dead tree	48				48
<i>Elaeocarpus reticulatus</i>			1		1
<i>Eucalyptus botryoides</i>			46		46
<i>Eucalyptus globulus</i> subsp. <i>maidenii</i>				1	1
<i>Eucalyptus grandis</i>				6	6
<i>Eucalyptus microcorys</i>				6	6
<i>Eucalyptus robusta</i>			21		21
<i>Eucalyptus saligna</i> X <i>botryoides</i>			3		3
<i>Eucalyptus</i> sp.				2	2
<i>Ficus benamina</i>				7	7
<i>Ficus rubiginosa</i>			17		17
Group of trees				1	1
<i>Jacaranda mimosifolia</i>		1			1
<i>Juniperus chinensis</i>		1			1
<i>Leptospermum petersonii</i>			11		11
<i>Lophostemon confertus</i>				2	2
<i>Melaleuca armillaris</i>			1		1
<i>Melaleuca bracteata</i>				3	3
<i>Melaleuca linariifolia</i>			15		15
<i>Melaleuca nesophila</i>				1	1
<i>Melaleuca quinquenervia</i>			1		1
<i>Melaleuca styphelioides</i>				3	3
<i>Murraya paniculata</i>		1			1
<i>Olea europaea</i> subsp. <i>cuspidata</i>		5			5
<i>Pittosporum undulatum</i>			3		3
<i>Podocarpus elatus</i>				3	3
<i>Schinus areira</i>		3			3
Grand Total	48	13	456	80	597

Table 7 summarises the trees' legislated protection status under the BDCP. This assessment considers the size of the tree or exemption due to their species.

Table 7: Tree Legislated Protection Status

DCP Status	Tag/Tree QTY (Tree QTY)	Tree Numbers
Protected	580 (721)	All other trees
Exempt	17 (77)	33, 42, 89, 92, 171, 217, 223, 229, 235, 236, 247, 251, 298, 339, 349, 370, 468
N/A	0 (0)	
Total	597 (798)	

4.3. Tree Significance

Determined using the Tree Significance - Assessment Criteria of the IACA Significance of a Tree, Assessment Rating System (STARS)© (IACA, 2010); a total of 175 trees were determined to possess a High Landscape Significance Rating due to them being:

- in good condition and good vigour;
- having a form typical for the species;
- a remnant or is a planted locally indigenous specimen and/or is rare or uncommon in the local area or of botanical interest or of substantial age;
- visually prominent and visible from a considerable distance when viewed from most directions within the landscape due to its size and scale and makes a positive contribution to the local amenity;

Table 8: Landscape Significance Rating

Landscape Value	Tag/Tree QTY (Tree QTY)	Tree Numbers
1 (High)	175 (175)	6, 7, 8, 13, 19, 20, 23, 27, 36, 38, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 56, 57, 59, 63, 67, 68, 71, 81, 90, 91, 99, 100, 110, 114, 145, 148, 149, 150, 156, 157, 159, 163, 166, 172, 188, 191, 192, 198, 199, 200, 202, 203, 205, 209, 212, 214, 218, 220, 221, 222, 228, 231, 233, 237, 238, 239, 241, 242, 244, 252, 253, 260, 269, 274, 276, 288, 289, 290, 292, 293, 294, 295, 296, 297, 300, 303, 311, 316, 318, 325, 328, 331, 341, 342, 345, 346, 347, 348, 352, 353, 357, 361, 364, 368, 377, 383, 390, 392, 393, 414, 430, 441, 447, 450, 454, 455, 459, 461, 464, 465, 470, 483, 484, 486, 487, 488, 490, 491, 493, 501, 505, 514, 516, 518, 519, 520, 521, 523, 526, 529, 532, 535, 536, 538, 541, 543, 544, 549, 551, 552, 553, 554, 555, 556, 557, 559, 560, 561, 562, 563, 564, 565, 567, 568, 570, 571, 572, 573, 574, 575, 576, 578, 580, 581, 586
2 (Medium)	195 (202)	1, 3, 4, 9, 10, 11, 16, 17, 18, 24, 29, 30, 32, 39, 40, 41, 55, 58, 60, 61, 62, 64, 65, 66, 69, 70, 72, 75, 76, 77, 79, 82, 85, 86, 87, 88, 101, 102, 103, 104, 105, 109, 112, 116, 117, 119, 120, 124, 125, 126, 127, 128, 130, 131, 132, 134, 135, 136, 138, 140, 141, 142, 143, 146, 147, 167, 169, 178, 186, 190, 201, 204, 210, 211, 215, 225, 226, 227, 235, 236, 240, 245, 246, 249, 254, 256, 257, 259, 261, 262, 263, 264, 265, 266, 270, 271, 272, 273, 279, 280, 282, 283, 284, 285, 287, 291, 299, 304, 307, 308, 312, 317, 319, 320, 329, 332, 333, 334, 336, 337, 340, 343, 344, 358, 359, 370, 372, 373, 374, 375, 376, 384, 389, 394, 395, 396, 397, 398, 401, 402, 403, 404, 406, 409, 410, 412, 413, 416, 418, 421, 422, 423, 425, 426, 427, 428, 432, 433, 435, 436, 440, 442, 443, 444, 446, 453, 457, 463, 467, 469, 474, 479, 480, 481, 494, 495, 496, 498, 500, 504, 506, 508, 515, 522, 579, 583, 585, 587, 589, 590, 591, 592, 593, 594, 595
3 (Low)	162 (354)	5, 12, 14, 15, 21, 22, 25, 28, 31, 33, 34, 35, 37, 42, 43, 44, 73, 80, 83, 84, 93, 94, 95, 96, 97, 98, 106, 107, 111, 113, 115, 118, 121, 122, 123, 129, 133, 151, 152, 154, 155, 158, 160, 161, 162, 164, 165, 170, 171, 173, 174, 176, 177, 179, 181, 183, 184, 185, 187, 189, 193, 194, 195, 196, 197, 206, 207, 208, 213, 216, 217, 219, 223, 224, 230, 232, 234, 243, 248, 250, 251, 267, 268, 275, 286, 306, 309, 310, 315, 321, 322, 323, 327, 335, 339, 350, 351, 354, 356, 362, 371, 381, 382, 386, 388, 391, 399, 400, 408, 411, 415, 417, 419, 420, 424, 429, 434, 438, 439, 451, 462, 466, 471, 472, 475, 489, 497, 499, 502, 503, 507, 509, 510, 511, 512, 513, 517, 524, 525, 527, 528, 530, 531, 533, 534, 537, 539, 540, 542, 545, 546, 547, 548, 550, 558, 566, 569, 577, 582, 584, 588, 593a
4 (Environmental Pest / Noxious Weed)	6 (7)	89, 92, 229, 247, 349, 468

Landscape Value	Tag/Tree QTY (Tree QTY)	Tree Numbers
5 (Hazardous / Irreversible Decline)	59 (60)	2, 26, 74, 78, 108, 137, 139, 144, 153, 168, 175, 180, 182, 255, 258, 277, 278, 281, 298, 301, 302, 305, 313, 314, 324, 326, 330, 338, 355, 360, 363, 365, 366, 367, 369, 378, 379, 380, 385, 387, 405, 407, 431, 437, 445, 448, 449, 452, 456, 458, 460, 473, 476, 477, 478, 482, 485, 492, 596
Total	597 (798)	

4.4. Retention Value

Determined using the Retention Value - Priority Matrix of the *IACA Significance of a Tree, Assessment Rating System* (STARS) © (IACA, 2010), which is a matrix assessment of landscape significance and estimated Useful Life Expectancy. Tree retention values are summarised in Table 9.

Table 9: Retention Value

Retention Value	Tag/Tree QTY (Tree QTY)	Tree Numbers
High - Priority for Retention	237 (237)	1, 4, 6, 7, 8, 9, 10, 13, 17, 19, 20, 23, 24, 27, 29, 30, 32, 36, 38, 45, 46, 47, 48, 49, 50, 51, 53, 54, 56, 57, 59, 63, 67, 68, 70, 71, 81, 87, 88, 90, 91, 99, 100, 104, 110, 114, 119, 135, 136, 143, 145, 148, 149, 150, 156, 157, 159, 163, 166, 172, 186, 188, 191, 192, 198, 199, 200, 202, 203, 204, 205, 209, 212, 214, 218, 220, 221, 222, 226, 228, 231, 233, 236, 237, 238, 239, 241, 242, 244, 249, 252, 253, 254, 256, 260, 261, 262, 263, 269, 272, 274, 276, 283, 288, 289, 290, 292, 293, 294, 295, 296, 297, 299, 300, 303, 304, 311, 316, 317, 318, 319, 320, 325, 328, 331, 332, 333, 334, 341, 342, 343, 344, 345, 346, 347, 348, 352, 353, 357, 361, 364, 368, 372, 373, 374, 375, 376, 377, 383, 384, 390, 392, 393, 394, 396, 398, 402, 403, 404, 409, 412, 413, 414, 416, 418, 421, 427, 428, 430, 441, 447, 450, 453, 454, 455, 459, 461, 464, 465, 467, 479, 483, 484, 486, 487, 488, 490, 491, 493, 501, 505, 514, 516, 518, 519, 520, 521, 523, 526, 529, 532, 536, 541, 543, 544, 549, 551, 552, 553, 554, 555, 556, 557, 559, 560, 561, 562, 563, 564, 565, 567, 568, 570, 571, 572, 573, 574, 576, 578, 580, 581, 583, 586, 591, 593, 594, 595

Retention Value	Tag/Tree QTY (Tree QTY)	Tree Numbers
Medium - Consider for Retention	182 (370)	3, 11, 18, 21, 22, 25, 34, 39, 40, 41, 55, 58, 60, 61, 62, 64, 66, 69, 76, 77, 79, 80, 82, 85, 86, 95, 96, 97, 102, 103, 105, 109, 111, 112, 116, 117, 120, 122, 124, 127, 128, 130, 131, 132, 138, 140, 141, 151, 154, 155, 161, 167, 169, 171, 178, 179, 193, 194, 195, 196, 201, 207, 211, 215, 216, 219, 224, 225, 227, 230, 234, 235, 243, 245, 246, 248, 251, 257, 264, 265, 266, 271, 273, 275, 280, 282, 285, 287, 291, 306, 307, 308, 309, 310, 312, 315, 322, 327, 329, 335, 336, 337, 339, 340, 350, 351, 354, 356, 358, 370, 381, 382, 386, 388, 389, 395, 397, 399, 400, 410, 411, 415, 417, 419, 420, 422, 423, 424, 425, 426, 432, 435, 436, 438, 439, 442, 443, 444, 446, 451, 457, 463, 466, 469, 471, 472, 474, 480, 489, 495, 497, 498, 499, 500, 502, 503, 504, 506, 507, 508, 509, 510, 511, 512, 517, 522, 524, 533, 534, 537, 539, 548, 550, 566, 569, 579, 582, 585, 587, 588, 589, 593a
Low - Consider for Removal	107 (118)	5, 12, 14, 28, 31, 33, 35, 37, 42, 43, 44, 52, 65, 72, 73, 75, 83, 84, 93, 94, 98, 101, 113, 115, 118, 121, 123, 125, 126, 129, 133, 134, 142, 146, 147, 158, 160, 164, 170, 173, 174, 176, 177, 181, 183, 184, 185, 187, 189, 190, 197, 206, 208, 210, 213, 217, 229, 232, 240, 250, 259, 267, 268, 270, 279, 284, 286, 321, 323, 349, 359, 362, 391, 401, 406, 408, 429, 433, 434, 440, 462, 468, 470, 475, 481, 494, 496, 513, 515, 525, 527, 528, 530, 531, 535, 538, 540, 542, 545, 546, 547, 558, 575, 577, 584, 590, 592
Priority for Removal	71 (73)	2, 15, 16, 26, 74, 78, 89, 92, 106, 107, 108, 137, 139, 144, 152, 153, 162, 165, 168, 175, 180, 182, 223, 247, 255, 258, 277, 278, 281, 298, 301, 302, 305, 313, 314, 324, 326, 330, 338, 355, 360, 363, 365, 366, 367, 369, 371, 378, 379, 380, 385, 387, 405, 407, 431, 437, 445, 448, 449, 452, 456, 458, 460, 473, 476, 477, 478, 482, 485, 492, 596
Total	597 (798)	

Table 10: Retention Value Descriptions

Retention Value	Description and Relevance
High - Priority for Retention	These trees are considered important for retention and should be retained and protected. Design modification or re-location of buildings should be considered to accommodate the setbacks as prescribed by the Australian Standard AS4970-2009 <i>Protection of trees on development sites</i> . Tree-sensitive construction must be implemented, e.g. pier and beam, etc, if works are to proceed within the Tree Protection Zone.
Medium - Consider for Retention	These trees may be retained and protected. These are considered less critical; however, their retention should remain a priority, with removal only if adversely affecting the proposed building/works and all other alternatives have been exhausted.
Low - Consider for Removal	These trees are not important for retention, nor require special works or design modifications to be implemented for their retention.
Priority for Removal	These trees are considered hazardous, or in irreversible decline, or weeds and should be removed irrespective of development.

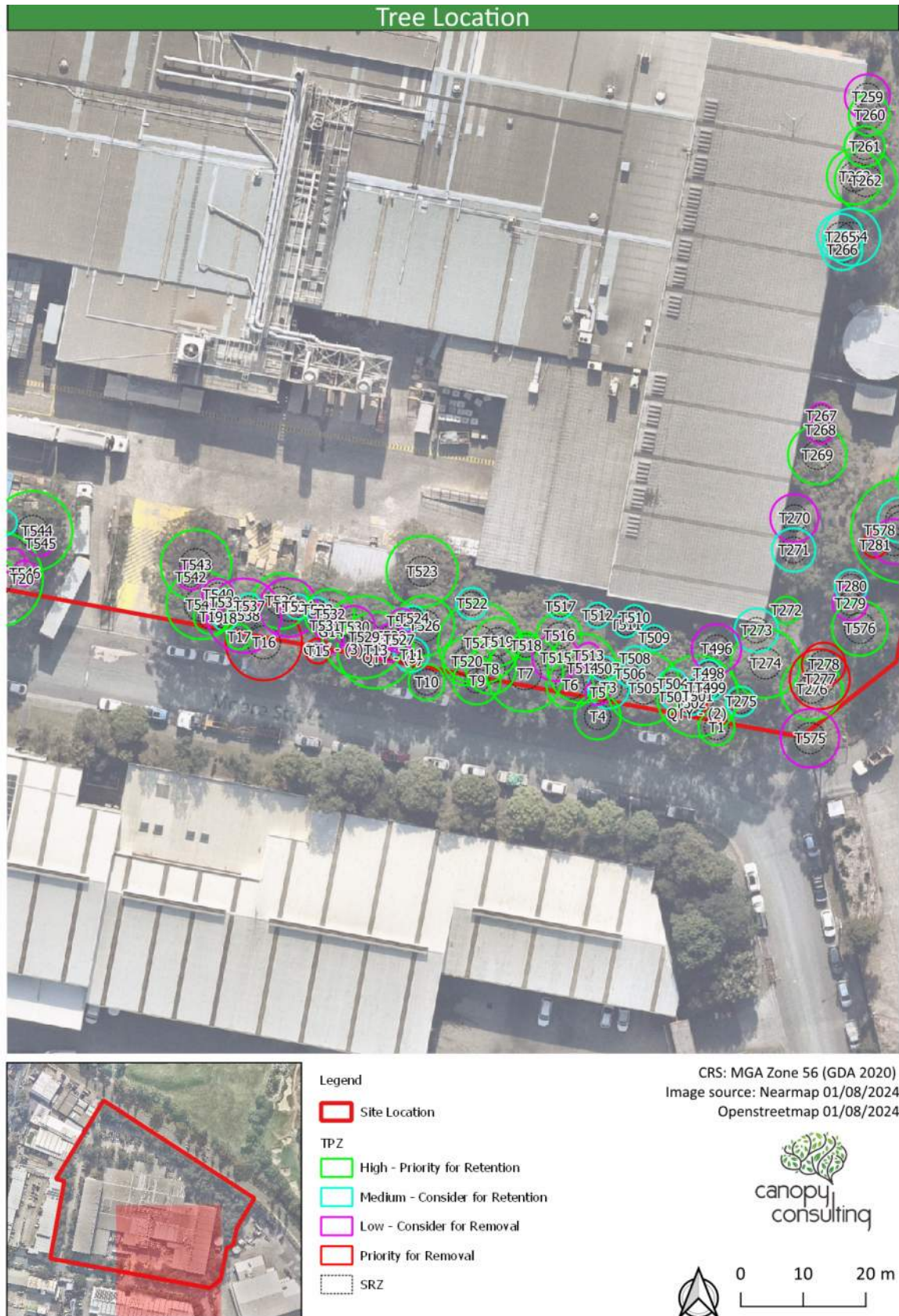


Figure 5.1: Map showing retention values, tree protection zones, structural root zones and overlaid plans.



Figure 5.2: Map showing retention values, tree protection zones, structural root zones and overlaid plans.

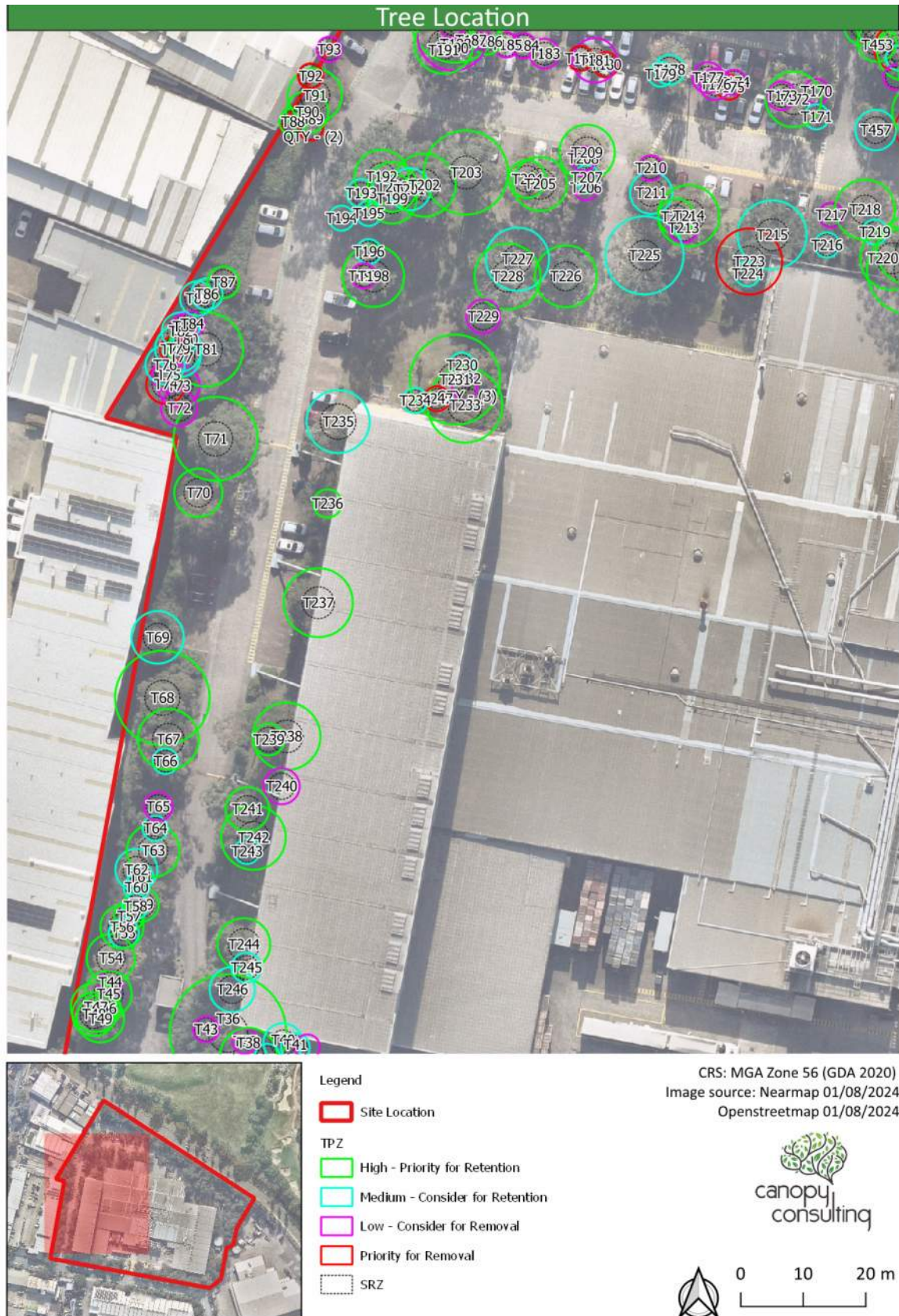


Figure 5.3: Map showing retention values, tree protection zones, structural root zones and overlaid plans.

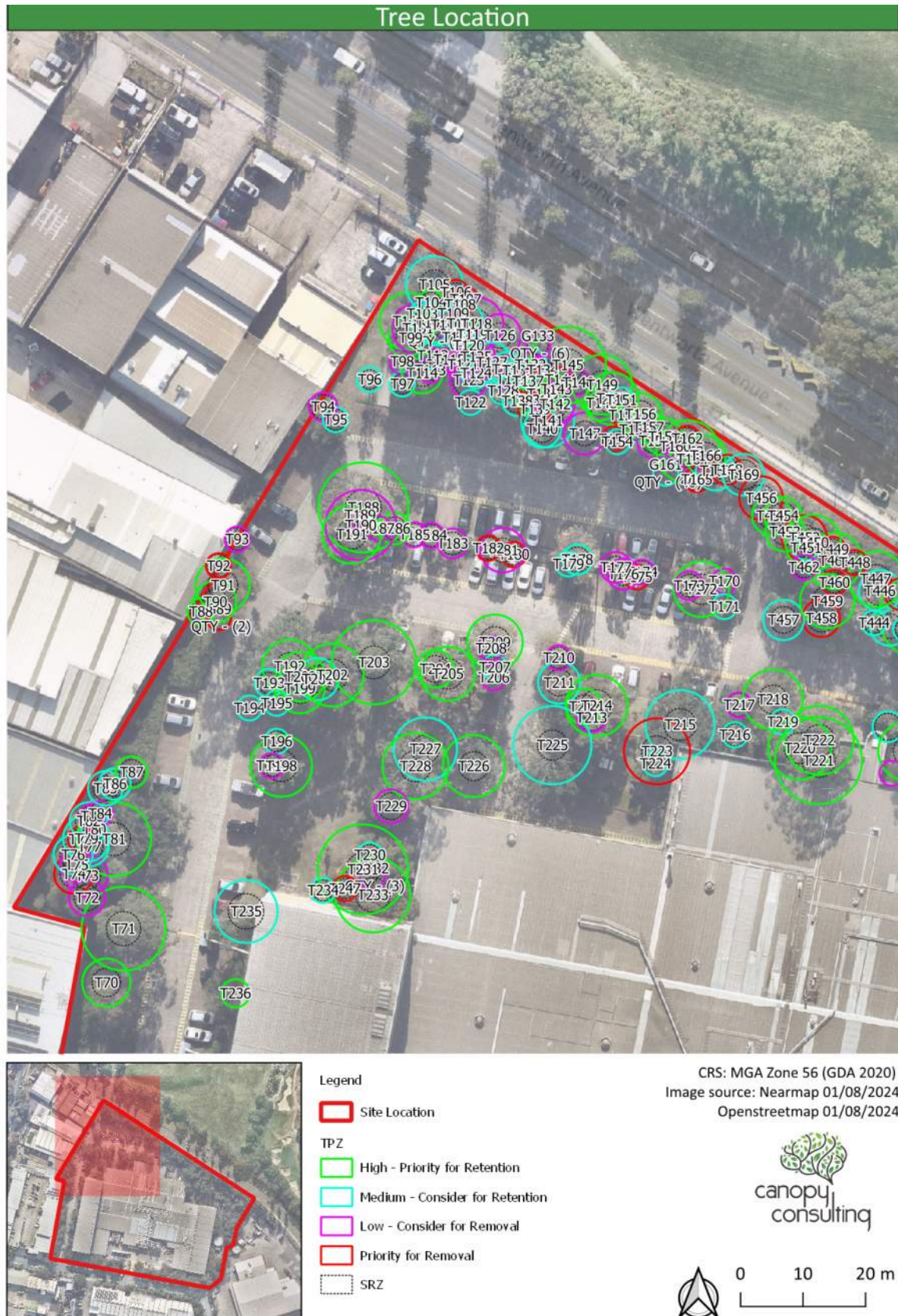


Figure 5.4: Map showing retention values, tree protection zones, structural root zones and overlaid plans.

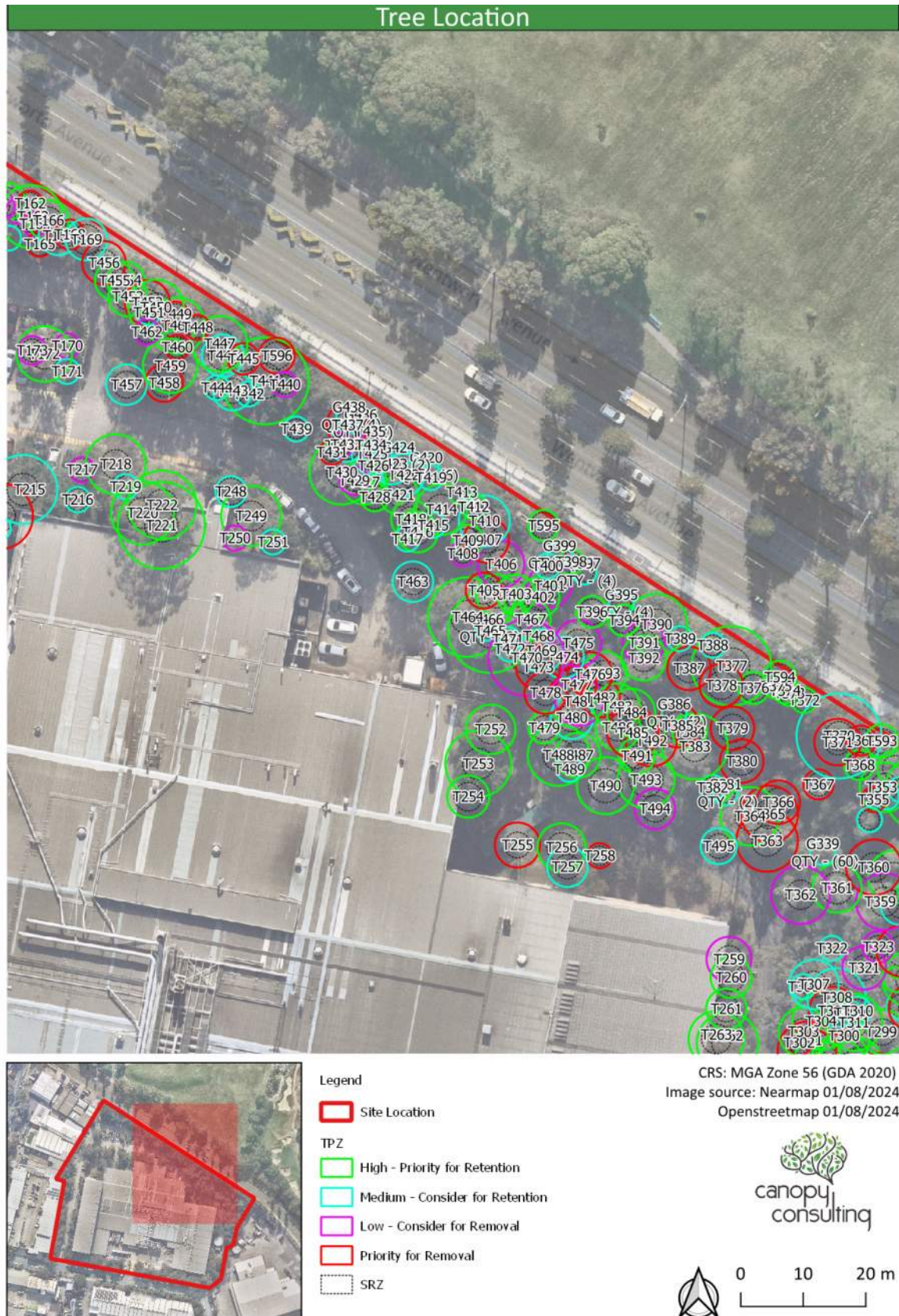


Figure 5.5: Map showing retention values, tree protection zones, structural root zones and overlaid plans.

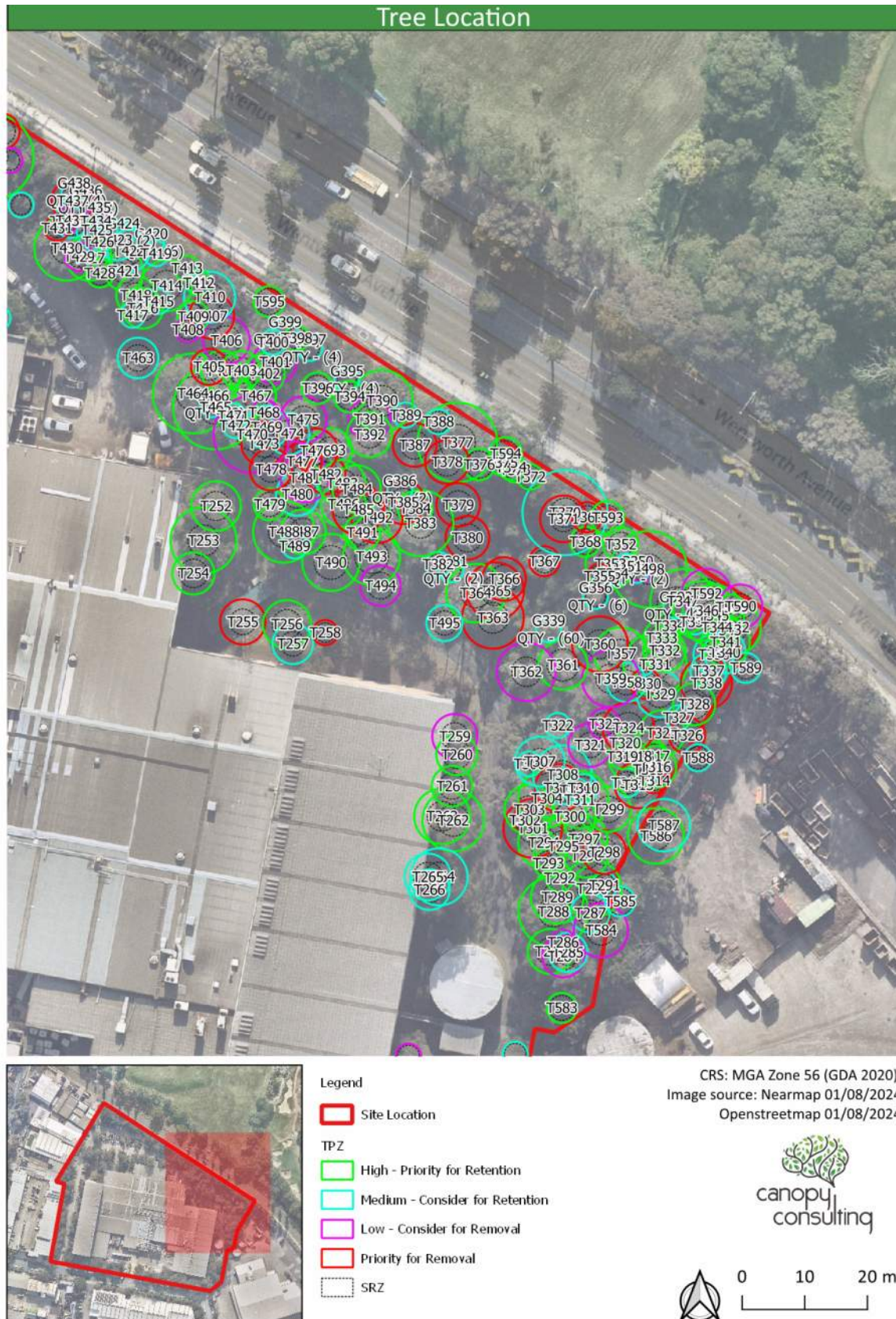


Figure 5.6: Map showing retention values, tree protection zones, structural root zones and overlaid plans.

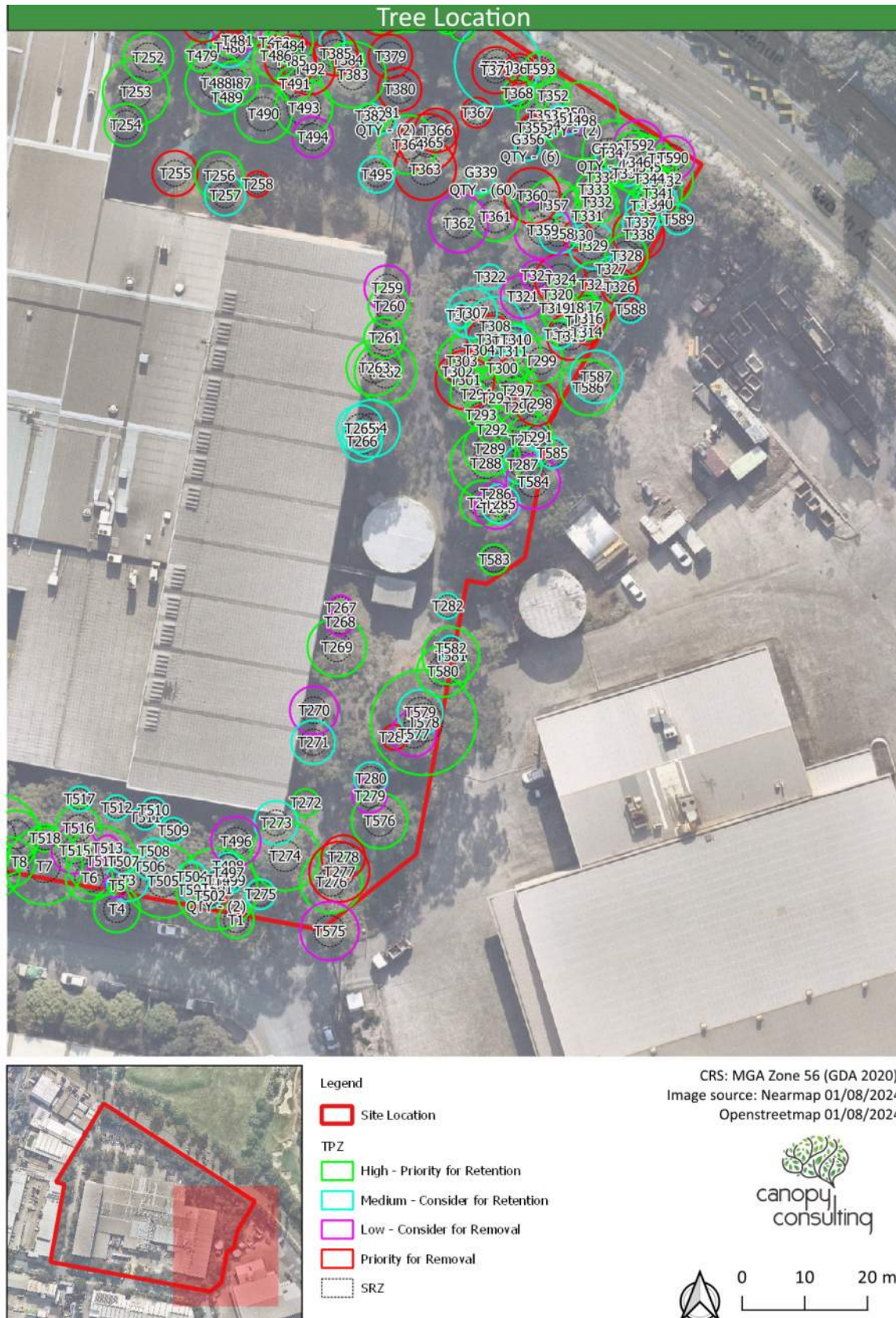


Figure 5.7: Map showing retention values, tree protection zones, structural root zones and overlaid plans.

5. Discussion

5.1. Tree Protection Zone (TPZ)

The Tree Protection Zone (TPZ) is a radial distance measured from the centre of the trunk. Application of the TPZ is intended to ensure the protection of the root system and canopy from potential damage incurred from construction works and ensure the long-term health, stability and landscape viability of each tree to be retained.

Incursions into the TPZ may occur due to excavation, modification of existing ground levels, trenching or inverting the soil profile. Such works may damage part or all of the root system or affect soil structure and growing conditions required for long-term growth.

5.2. Structural Root Zone (SRZ)

The Structural Root Zone (SRZ) is the area required for mechanical support and anchorage of a tree. The woody root growth and soil cohesion in this area are required to hold a tree upright.

Incursions into the SRZ are not recommended as they are likely to cause loss or damage to woody roots which may significantly affect stability. However, fully elevated, pier and beam type construction or hand-dug services are possible within the SRZ.

5.3. Acceptable Encroachments into the TPZ

An encroachment of less than 10% of the entire TPZ is considered minor provided it is outside the SRZ and the area lost is compensated for elsewhere and contiguous to the TPZ.

A major encroachment is considered to be greater than 10% of the entire TPZ area. Where unavoidable, exploratory excavation using non-destructive methods such as pneumatic, hydraulic or hand digging may be required to evaluate the extent of potential damage to the root system and determine whether the tree(s) will remain viable. The area lost to encroachment should be compensated for elsewhere and contiguous to the TPZ.

Additional encroachments within the TPZ are acceptable, provided the arborist can demonstrate the tree(s) will remain viable.

5.4. Impact Mitigation Measures

TPZ encroachments should be offset and mitigated using a range of possible measures to ensure impacts are minimised and, therefore, trees remain viable post construction. Mitigation measures should be increased relative to the level of encroachment within the TPZ.

AS 4970-2009 outlines the types of TPZ encroachment and mitigation measures required to ensure long-term viability, which are summarised in Table 11. These measures are only required if a tree is to be retained.

Table 11: Mitigation Measures

Encroachment Type	Mitigation Measures
Nil	Where indirect or inadvertent encroachments may occur due to haul routes or machinery movement, tree protection should be installed.
Minor	- The area lost to encroachment must be offset elsewhere and contiguous to the TPZ. - Detailed root investigations should not be required. - Tree protection must be installed and maintained.
Major	- The Project Arborist must demonstrate the tree(s) will remain viable. - Root investigations using non-destructive methods may be required to clarify or confirm the impacts on trees to be retained. - The area lost to encroachment must be offset elsewhere and contiguous to the TPZ. - All works and excavations within the TPZ must be supervised by the Project Arborist. - Tree protection must be installed and maintained for the duration of the project. - Additional measures such as mulching or temporary irrigation may be required.

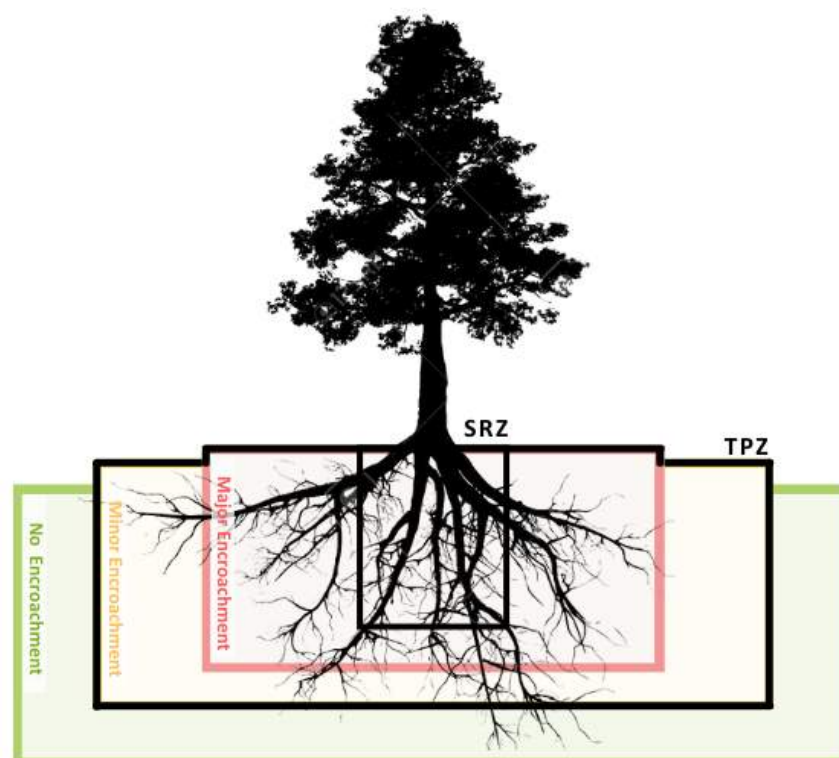


Figure 6: Indicative zones of TPZ and SRZ encroachment.

5.5. Impact Assessment

The following criteria have been considered to determine the impact on site trees that may occur due to the proposed development:

- Existing ground levels (R.L)
- Footprint of the proposed development, temporary structures, and laydown areas.
- Extent of the TPZ/SRZ
- Incursion into the TPZ, including any cut, fill, benching and shoring activities beyond the development footprint.
- Incursions to the tree canopy from the building or temporary structures (scaffolding)
- Existing site and soil conditions

The impacts of the proposed development are summarised in Table 11¹.

¹ No tree protection measures may be recommended as the tree(s) are outside the expected area of construction.
Generic tree protection measures include tree protection fencing, trunk and/or branch protection and restriction of activities within the TPZ.
Generic plus protection measures include generic tree protection measures plus supervision of works within the TPZ and may include, in combination:

- The use of root sensitive construction techniques
- Design revision
- Routing services outside the TPZ
- Root mapping

Table 11: Impact Assessment Summary

Recommendation	Tag/Tree QTY (Tree QTY)	Tree ID and Retention Value			
		High - Priority for Retention	Medium - Consider for Retention	Low - Consider for Removal	Priority for Removal
Remove - project impacts	339 (448)	1, 4, 6, 9, 10, 17, 23, 24, 27, 29, 30, 32, 36, 38, 45, 46, 47, 48, 49, 51, 53, 54, 56, 57, 59, 63, 67, 68, 70, 71, 87, 88, 90, 91, 114, 172, 186, 188, 191, 192, 198, 199, 200, 202, 203, 204, 205, 209, 212, 214, 218, 220, 221, 222, 226, 228, 231, 233, 236, 237, 238, 239, 241, 242, 244, 249, 252, 253, 254, 256, 260, 261, 262, 263, 269, 272, 274, 276, 283, 288, 289, 290, 292, 293, 294, 295, 296, 297, 299, 300, 303, 304, 311, 319, 320, 357, 361, 364, 383, 384, 393, 403, 404, 416, 418, 427, 428, 430, 447, 454, 455, 459, 464, 465, 467, 479, 483, 484, 486, 487, 488, 490, 491, 493, 505, 514, 516, 518, 519, 521, 523, 526, 532, 536, 543, 544, 549, 551, 552, 553, 554, 556, 557, 559, 560, 561, 562, 563, 564, 565, 567, 568, 570, 571, 572, 573, 574, 576, 578, 580, 581, 583, 591, 593, 594, 595 Tag QTY: (166) Tree QTY: (166)	3, 25, 34, 39, 40, 41, 55, 58, 60, 61, 62, 64, 66, 69, 77, 86, 95, 96, 97, 122, 128, 138, 140, 141, 169, 171, 178, 179, 193, 194, 195, 196, 201, 207, 211, 215, 216, 219, 224, 225, 227, 230, 234, 235, 243, 245, 246, 248, 251, 257, 264, 265, 266, 271, 273, 275, 280, 282, 285, 287, 291, 306, 307, 308, 309, 310, 322, 339, 356, 358, 381, 382, 386, 417, 442, 443, 444, 446, 457, 463, 466, 469, 471, 472, 474, 480, 489, 495, 497, 498, 504, 506, 507, 508, 509, 510, 511, 512, 517, 522, 524, 533, 548, 566, 569, 579, 582, 593a Tag QTY: (108) Tree QTY: (215)	5, 28, 31, 33, 35, 37, 42, 43, 44, 65, 73, 84, 147, 170, 173, 174, 176, 177, 181, 183, 184, 185, 187, 189, 190, 197, 206, 208, 210, 213, 217, 229, 232, 240, 250, 259, 267, 268, 270, 279, 284, 286, 321, 323, 359, 362, 408, 429, 462, 468, 470, 475, 481, 494, 496, 513, 515, 525, 535, 542, 545, 558, 577, 590, 592 Tag QTY: (65) Tree QTY: (67)	

Arboricultural Impact Assessment

Banksmeadow Estate
130 Wentworth Avenue, Banksmeadow NSW 2019



Recommendation	Tag/Tree QTY (Tree QTY)	Tree ID and Retention Value			
		High - Priority for Retention	Medium - Consider for Retention	Low - Consider for Removal	Priority for Removal
Remove - irrespective	71 (73)				2, 15, 16, 26, 74, 78, 89, 92, 106, 107, 108, 137, 139, 144, 152, 153, 162, 165, 168, 175, 180, 182, 223, 247, 255, 258, 277, 278, 281, 298, 301, 302, 305, 313, 314, 324, 326, 330, 338, 355, 360, 363, 365, 366, 367, 369, 371, 378, 379, 380, 385, 387, 405, 407, 431, 437, 445, 448, 449, 452, 456, 458, 460, 473, 476, 477, 478, 482, 485, 492, 596 Tag QTY: (71) Tree QTY: (73)

Arboricultural Impact Assessment

Banksmeadow Estate
130 Wentworth Avenue, Banksmeadow NSW 2019



Recommendation	Tag/Tree QTY (Tree QTY)	Tree ID and Retention Value			
		High - Priority for Retention	Medium - Consider for Retention	Low - Consider for Removal	Priority for Removal
Retain - generic	176 (266)	7, 8, 19, 99, 100, 104, 110, 119, 135, 136, 143, 145, 148, 149, 150, 156, 157, 159, 163, 166, 316, 317, 318, 325, 328, 331, 332, 333, 334, 341, 342, 343, 344, 345, 346, 347, 348, 352, 353, 368, 372, 373, 374, 375, 376, 377, 390, 392, 394, 396, 398, 402, 409, 412, 413, 414, 421, 441, 520, 529, 555, 586 Tag QTY: (62) Tree QTY: (62)	18, 21, 22, 76, 79, 80, 82, 85, 102, 103, 105, 109, 111, 112, 116, 117, 120, 124, 127, 130, 131, 132, 151, 154, 155, 161, 167, 312, 315, 327, 329, 335, 336, 337, 340, 350, 351, 354, 370, 388, 389, 395, 397, 399, 400, 410, 411, 415, 419, 420, 422, 423, 424, 425, 426, 432, 435, 436, 438, 439, 499, 500, 502, 503, 534, 537, 539, 550, 585, 587, 588, 589 Tag QTY: (72) Tree QTY: (153)	12, 14, 52, 72, 75, 83, 93, 94, 98, 101, 113, 115, 118, 121, 123, 125, 126, 129, 133, 134, 142, 146, 158, 160, 164, 349, 391, 401, 406, 433, 434, 440, 527, 528, 530, 531, 538, 540, 546, 547, 575, 584 Tag QTY: (42) Tree QTY: (51)	
Retain - generic plus	11 (11)	13, 20, 50, 81, 450, 453, 461, 501, 541 Tag QTY: (9) Tree QTY: (9)	11, 451 Tag QTY: (2) Tree QTY: (2)		
Total	597 (798)				

A total of **505 trees** (395 tags) have been identified with major TPZ encroachment as a result of the proposed development layout. The impact on these trees varies based on their positioning in relation to critical project elements, such as driveways, hardstand areas, crossovers, retaining walls, and foundational structures. Additionally, several trees are located within zones where significant cut and fill activities are anticipated, impacting root structures and overall viability.

It should be noted that significant effort and ongoing consultation with the design and arboricultural teams including modifications to all facets of the design have resulted in the retention of many of the boundary planted trees.

Trees Recommended for Removal

Of the impacted trees, **448 trees are marked for removal** (339 tags) due to unmitigable project impacts. These impacts arise due to the following key factors:

- **Position within the Hardstand and Development Footprint:** Trees that fall within essential areas for construction, including driveways, security fencing, crossover points, structural foundations, and stormwater where relocation or design alteration was deemed impractical.
- **Unsustainable Cut and Fill Activities:** Certain trees are affected by major grading and excavation required to achieve compliant stormwater and civil design levels. Although various grading and fill strategies were explored to optimise tree preservation, the final layout necessitated the removal of trees in areas where these adjustments could not sustainably maintain tree health.
- **Group Dynamics and Associated Risk Factors:** Within groups of trees, large specimens identified for removal due to project impacts indirectly impact neighbouring trees. For example, smaller or asymmetrically formed trees within these groups, though technically retainable, may pose an undesirable safety risk or develop poor structural form if retained in isolation.

The trees proposed for removal are categorised by their Retention Value as follows:

- **High Retention Value:** Despite efforts, **166** trees will require removal.
- **Medium Retention Value:** **215 trees** (108 tags) will require removal.
- **Low Retention Value:** **67 trees** (65 tags) will require removal.

This total includes **16 council-managed street trees** (specifically, Trees 1, 4, 10, 15, 16, 17, 23, 24, 26, 27, 31, 32, 51, 53, 593, 593a). Their removal will necessitate consent from Bayside Council, as these trees are located on public land and fall under local council jurisdiction. It should be noted that tree 593a is a group of trees and only trees affected by the proposed fence line will need to be removed.

Trees Recommended for Retention

In alignment with tree preservation goals and ongoing consultations with the design team, **11 trees** are recommended for retention with **design consideration or modifications or plant health care measures** implemented to ensure their viability through construction. These retained trees include:

- **High Retention Value Trees:** 9 trees
 - 13, 20, 50, 81, 450, 453, 461, 501, 541
- **Medium Retention Value Trees:** 2 trees
 - 11, 451

Specific design modifications or considerations are required to support tree retention are summarised in Table 12.

Table 12: Design and Plant Health Care Requirements

Alternative Design or Construction Methods (Generic Plus)	Tag/Tree QTY (Tree QTY)	Tree Numbers
Footpath to be tree sensitive and installed at or above existing grade.	3 (3)	11, 13, 20
Irrigation and mulch to be installed within TPZ prior to works commencing. In addition, 6 weekly treatments with a seaweed based soil conditioner are required.	2 (2)	81, 501
Relocate the hydrant booster 5m to the west.	1 (1)	541
Root investigation required to confirm impact to this tree. Footpath to be installed above grade with no level changes.	1 (1)	50
Walkway is to be constructed above grade with flexible pier locations which must be outside the SRZ. The construction methodology must avoid crown conflicts eg. crane descending through crown.	4 (4)	450, 451, 453, 461

Additional Trees with Minimal Impact

All remaining trees are unlikely to be affected directly by the project. These trees can be retained with generic protection measures to ensure minimal disturbance to their root zones and canopy during construction.

Project Summary

In summary, the proposed development will lead to the **removal of 521 trees (410 tags)** and the **retention of 277 trees (187 tags)**. This assessment considers all feasible design alternatives explored to reduce the project's impact on the existing tree population.



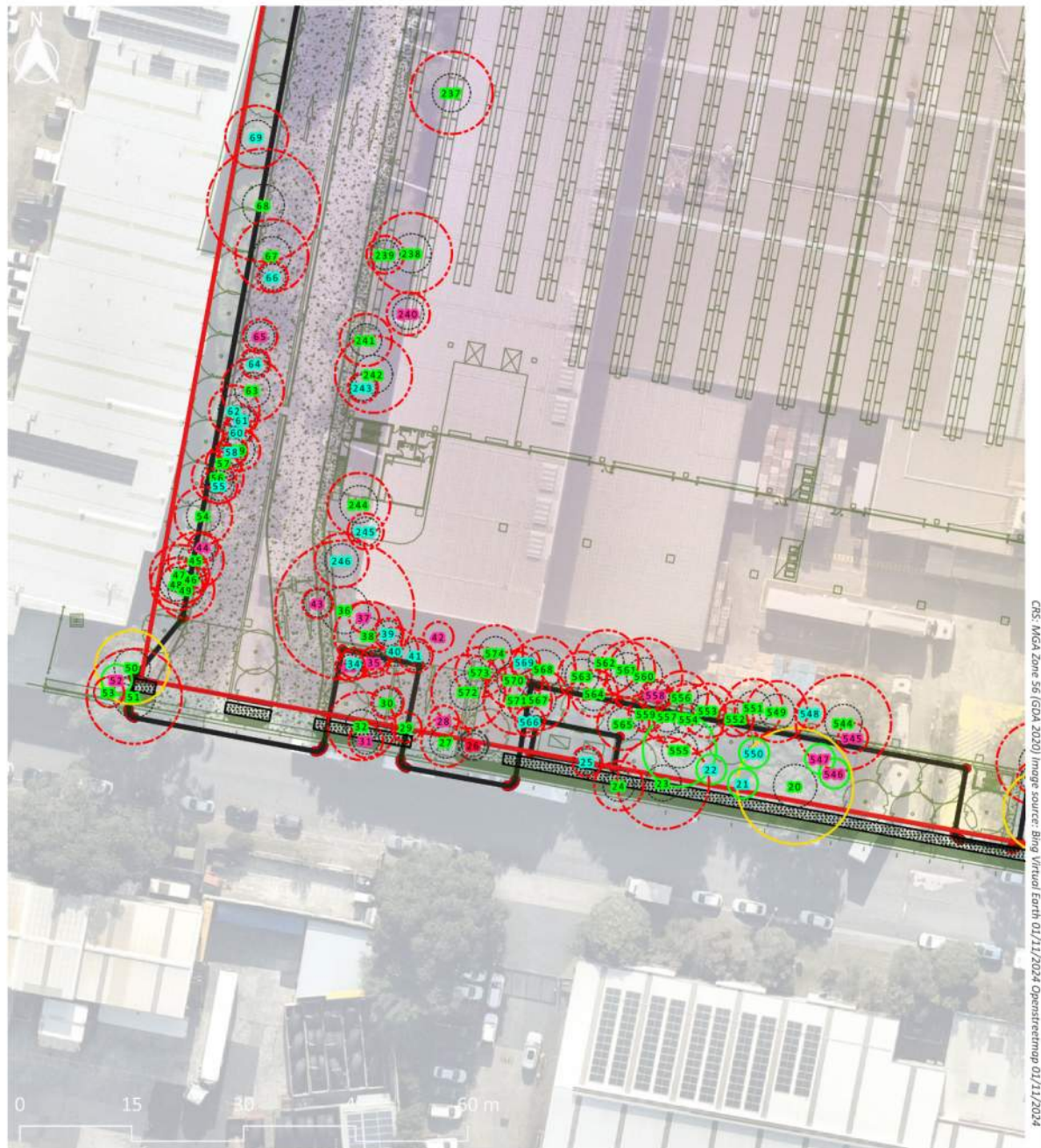
CRS: MGA Zone 56 (GDA 2020) Image source: Bing Virtual Earth 01/11/2024 Openstreetmap 01/11/2024

Legend

- | | |
|--|---|
| TPZ - Recommendation |  SRZ |
|  Remove - irrespective |  Bulk earthworks |
|  Remove - project impacts | |
|  Retain - generic | |
|  Retain - generic plus | |



Figure 7.1: Impact Assessment



Legend

- | | |
|--|---|
| TPZ - Recommendation |  SRZ |
|  Remove - irrespective |  Bulk earthworks |
|  Remove - project impacts | |
|  Retain - generic | |
|  Retain - generic plus | |



Figure 7.2: Impact Assessment



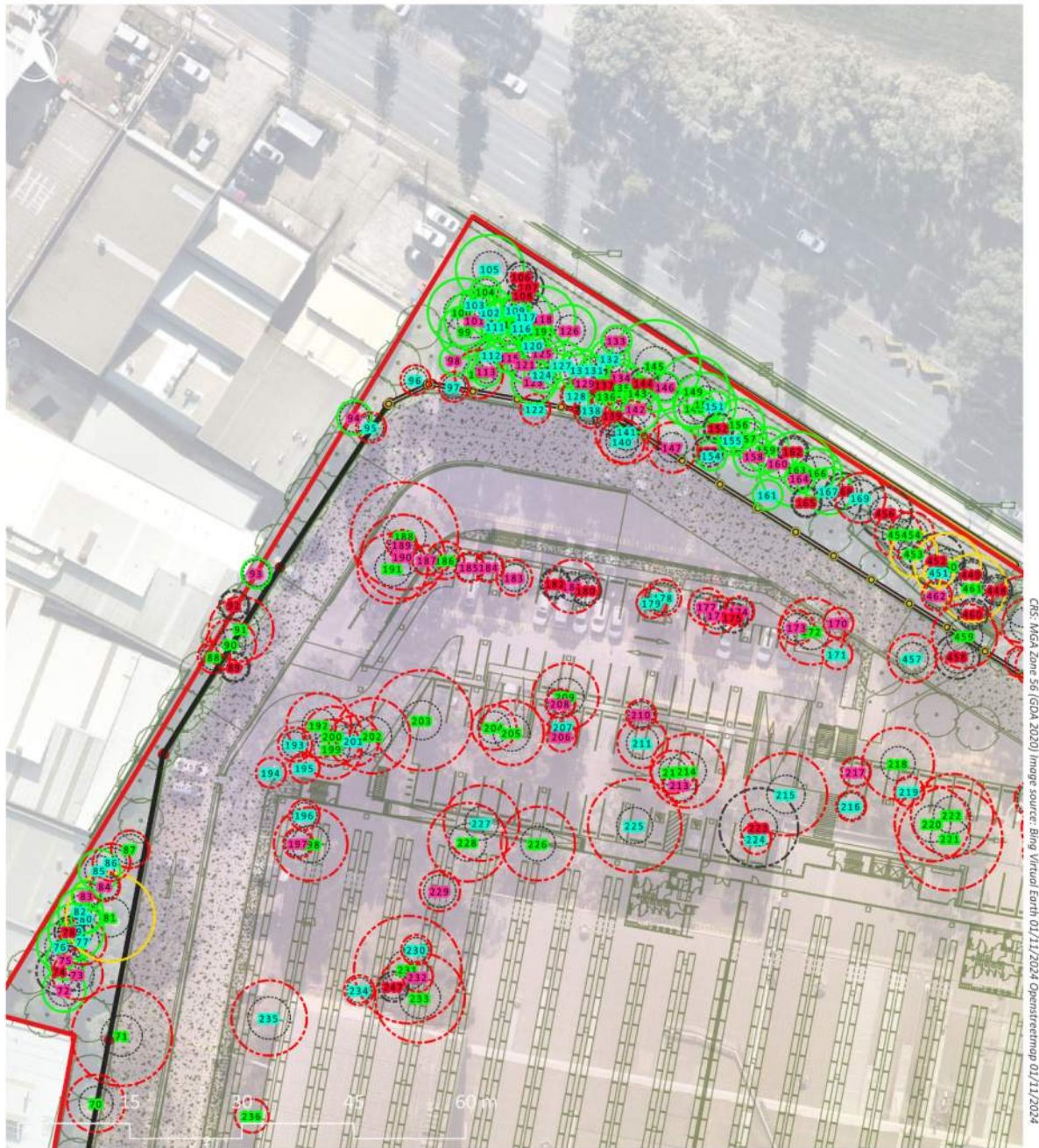
CRS: MGA Zone 56 (GDA 2020) Image source: Bing Virtual Earth 01/11/2024 Openstreetmap 01/11/2024

Legend

- | | |
|--|---|
| TPZ - Recommendation |  SRZ |
|  Remove - irrespective |  Bulk earthworks |
|  Remove - project impacts | |
|  Retain - generic | |
|  Retain - generic plus | |



Figure 7.3: Impact Assessment



CRS: MGA Zone 56 (GDA 2020) Image source: Bing Virtual Earth 01/11/2024 Openstreetmap 01/11/2024

Legend

- | | |
|--|---|
| TPZ - Recommendation |  SRZ |
|  Remove - irrespective |  Bulk earthworks |
|  Remove - project impacts | |
|  Retain - generic | |
|  Retain - generic plus | |



Figure 7.4: Impact Assessment



CRS: MGA Zone 56 (GDA 2020) Image source: Bing Virtual Earth 01/11/2024 Openstreetmap 01/11/2024

Legend

- | | |
|--|---|
| TPZ - Recommendation |  SRZ |
|  Remove - irrespective |  Bulk earthworks |
|  Remove - project impacts | |
|  Retain - generic | |
|  Retain - generic plus | |



Figure 7.5: Impact Assessment



CRS: MGA Zone 56 (GDA 2020) Image source: Bing Virtual Earth 01/11/2024 Openstreetmap 01/11/2024

Legend

- | | |
|--|---|
| TPZ - Recommendation |  SRZ |
|  Remove - irrespective |  Bulk earthworks |
|  Remove - project impacts | |
|  Retain - generic | |



Figure 7.6: Impact Assessment



CRS: MGA Zone 56 (GDA 2020) Image source: Bing Virtual Earth 01/11/2024 Openstreetmap 01/11/2024

Legend

- | | |
|--|---|
| TPZ - Recommendation |  SRZ |
|  Remove - irrespective |  Bulk earthworks |
|  Remove - project impacts | |
|  Retain - generic | |
|  Retain - generic plus | |



Figure 7.7: Impact Assessment

6. Recommendations

6.1. Project Arborist

An official “Project Arborist” must be commissioned to oversee the tree protection, and any works within the TPZs and complete regular monitoring compliance certification.

The project arborist must have a minimum of five (5) years of industry experience in arboriculture, horticulture with relevant demonstrated experience in tree management on construction sites, and Diploma level qualifications in arboriculture – AQF Level 5.

6.2. Tree Retention and Removal

The recommendations of this report do not constitute consent to remove trees subject to this report. The council or consent authority should be contacted prior to undertaking works as consent may be required to remove and/or prune the tree(s).

Table 13 summarises tree removal and retention and is shown in Appendix C - Tree Protection Management Plan.

Table 13: Tree Retention and Removal

Recommendation	Tag/Tree QTY (Tree QTY)	Tree Numbers
Remove - project impacts	339 (448)	1, 3, 4, 5, 6, 9, 10, 17, 23, 24, 25, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 51, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 73, 77, 84, 86, 87, 88, 90, 91, 95, 96, 97, 114, 122, 128, 138, 140, 141, 147, 169, 170, 171, 172, 173, 174, 176, 177, 178, 179, 181, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 248, 249, 250, 251, 252, 253, 254, 256, 257, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 279, 280, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 299, 300, 303, 304, 306, 307, 308, 309, 310, 311, 319, 320, 321, 322, 323, 339, 356, 357, 358, 359, 361, 362, 364, 381, 382, 383, 384, 386, 393, 403, 404, 408, 416, 417, 418, 427, 428, 429, 430, 442, 443, 444, 446, 447, 454, 455, 457, 459, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 474, 475, 479, 480, 481, 483, 484, 486, 487, 488, 489, 490, 491, 493, 494, 495, 496, 497, 498, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 521, 522, 523, 524, 525, 526, 532, 533, 535, 536, 542, 543, 544, 545, 548, 549, 551, 552, 553, 554, 556, 557, 558, 559, 560, 561, 562, 563,

Recommendation	Tag/Tree QTY (Tree QTY)	Tree Numbers
		564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 576, 577, 578, 579, 580, 581, 582, 583, 590, 591, 592, 593, 593a, 594, 595
Remove - irrespective	71 (73)	2, 15, 16, 26, 74, 78, 89, 92, 106, 107, 108, 137, 139, 144, 152, 153, 162, 165, 168, 175, 180, 182, 223, 247, 255, 258, 277, 278, 281, 298, 301, 302, 305, 313, 314, 324, 326, 330, 338, 355, 360, 363, 365, 366, 367, 369, 371, 378, 379, 380, 385, 387, 405, 407, 431, 437, 445, 448, 449, 452, 456, 458, 460, 473, 476, 477, 478, 482, 485, 492, 596
Retain - generic	176 (266)	7, 8, 12, 14, 18, 19, 21, 22, 52, 72, 75, 76, 79, 80, 82, 83, 85, 93, 94, 98, 99, 100, 101, 102, 103, 104, 105, 109, 110, 111, 112, 113, 115, 116, 117, 118, 119, 120, 121, 123, 124, 125, 126, 127, 129, 130, 131, 132, 133, 134, 135, 136, 142, 143, 145, 146, 148, 149, 150, 151, 154, 155, 156, 157, 158, 159, 160, 161, 163, 164, 166, 167, 312, 315, 316, 317, 318, 325, 327, 328, 329, 331, 332, 333, 334, 335, 336, 337, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 368, 370, 372, 373, 374, 375, 376, 377, 388, 389, 390, 391, 392, 394, 395, 396, 397, 398, 399, 400, 401, 402, 406, 409, 410, 411, 412, 413, 414, 415, 419, 420, 421, 422, 423, 424, 425, 426, 432, 433, 434, 435, 436, 438, 439, 440, 441, 499, 500, 502, 503, 520, 527, 528, 529, 530, 531, 534, 537, 538, 539, 540, 546, 547, 550, 555, 575, 584, 585, 586, 587, 588, 589
Retain - generic plus	11 (11)	11, 13, 20, 50, 81, 450, 451, 453, 461, 501, 541
Total	597 (798)	

With regards to tree 593a which is a group of 40 *Casuarina glauca* (Swamp Sheoak), only trees which are to be impacted by the proposed fencing should be removed from this group. All trees within proposed landscape areas should be retained where possible.

Consent will be required for council owned trees and those on adjoining properties which require removal to facilitate the project. These include trees 1, 4, 10, 15, 16, 17, 23, 24, 26, 27, 31, 32, 51, 53, 578, 580, 581, 593, 593a.

Trees marked for removal are to be physically marked with paint prior to site establishment as per the approved TPMP. Before removal, the Project Arborist must confirm that all marked trees correspond with those shown in Appendix B - Tree Assessment Schedule and Appendix C – Tree Protection Management Plan.

Tree removal is to be carried out prior to the erection of protection fencing. Under no circumstances are trees marked for retention within protection areas to be damaged. Vehicles and heavy machinery used by contractors are also to be kept clear of these protection areas.

Stumps to be removed from within protection areas are to be removed in a manner that avoids damaging or disturbing roots of trees to be retained. This may include stump grinding or careful 'picking' of the stumps with machinery. Both methods are to be approved by the Project Arborist.

6.3. Offset Planting

Any replacement trees should be replaced with a tree of like habit and indigenous to the LGA where possible, planted as near as practicable to the location of the removed tree, grown to maturity and replaced if the planting fails to survive and thrive.

Suggested species for replacement include:

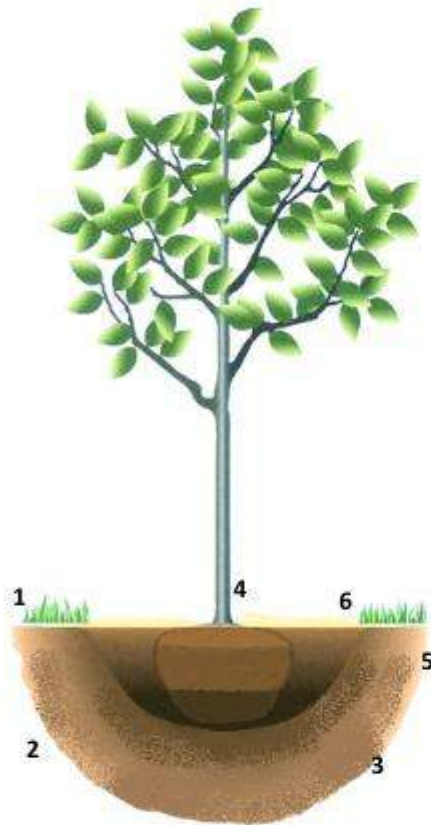
- *Angophora costata* (Smooth-barked Apple Myrtle)
- *Corymbia gummifera* (Red Bloodwood)
- *Corymbia maculata* (Spotted Gum)
- *Melaleuca decora* (White Feather Honeymyrtle)
- *Melaleuca nodosa* (Prickly-leaved Paperbark)
- *Banksia integrifolia* (Coast Banksia)

Trees should be sourced from a reputable nursery with stock grown to NATSPEC and Australian Standard AS 2303:2018 *Tree Stock for Landscape Use* criteria (Standards Australia Limited., 2018).

Trees should be a minimum of 100L pot size at the time of planting.

The trees should be planted and mulched with suitably composted, natural, hardwood mulch as per Figure 8.

Six things you should know when planting a tree.



- 1. Dial Before You Dig**
Several days before planting, call the Dial Before You Dig (DBYG) hotline on 1100 or apply via their website to have any underground services identified
- 2. Handle with Care**
Always lift tree by the root ball. Keep roots moist until planting.
- 3. Digging a Proper Hole**
Dig 2 to 5 times wider than the diameter of the root ball with sloping sides to allow for proper root growth.
- 4. Planting Depth**
The trunk flare should sit slightly above ground level and the top most roots should be buried 25 to 55 mm.
- 5. Filling the Hole**
Backfill with native soil unless it's all clay. Tamp in soil gently to fill large air spaces.
- 6. Mulch**
Allow 25 to 50 mm clearance between the trunk and the mulch. Mulch should be 75 to 100 mm deep.

Source: Arbor Day Foundation

Figure 8: Recommended tree planting process. (Arbor Day Foundation, 2019)

6.4. Generic Tree Protection

Generic tree protection measures are recommended to restrict construction activities within the TPZ which may adversely affect the health and condition of a tree to be retained. In order of precedence, the following is required for trees to be retained. Tree protection measures are to be installed and maintained as shown in Appendix C - Tree Protection Management Plan.

1. Install TPZ fencing and signage as per Appendix C - Tree Protection Management Plan. Where impractical and subject to project arborist approval;
1. Install trunk and ground protection where machine access is required.

Notes:

- All activities within the fenced TPZ are to be supervised by the project arborist.

- TPZ fencing is not to be moved.

6.5. Specific Tree Protection Measures

Table 15 shows specific tree protection measures that are required to ensure the trees nominated for retention remain viable post-construction. These measures are to be read in conjunction with Appendix C – Tree Protection Management Plan (TPMP). The TPMP indicates the position of tree protection devices and other measures to ensure the protection of trees within the site to be retained as part of the proposed development. Additional detail is provided in Section 6.9.

Table 14: Specific Tree Protection Measures

Alternative Design or Construction Methods (Generic Plus)	Tag/Tree QTY (Tree QTY)	Tree Numbers
Footpath to be tree sensitive and installed at or above existing grade.	3 (3)	11, 13, 20
Irrigation and mulch to be installed within TPZ prior to works commencing. In addition, 6 weekly treatments with a seaweed based soil conditioner are required.	2 (2)	81, 501
Relocate the hydrant booster 5m to the west.	1 (1)	541
Root investigation required to confirm impact to this tree. Footpath to be installed above grade with no level changes.	1 (1)	50
Walkway is to be constructed above grade with flexible pier locations which must be outside the SRZ. The construction methodology must avoid crown conflicts eg. crane descending through crown.	4 (4)	450, 451, 453, 461

Trees 11, 13, 20:

- **Requirement:** The footpath near these trees must be designed to avoid damaging the root systems by being "tree sensitive."
- **Installation Detail:** The footpath should be laid at or above the existing soil level, which prevents the cutting or compaction of roots that would typically occur if the path were installed below grade or required excavation.

Trees 81, 501:

- **Pre-Construction Preparation:** To support the health of these trees before any construction activities, irrigation systems and a layer of mulch should be applied within the Tree Protection Zone (TPZ). This preparation helps minimise stress from surrounding activities.

- **Soil Conditioning:** In addition to the above measures, treatments with a seaweed-based soil conditioner are to be applied every six weeks. Seaweed conditioners are rich in nutrients and can enhance root health and overall resilience, aiding the trees' ability to recover from any stress caused by nearby construction.

Tree 541:

- **Infrastructure Relocation:** A hydrant booster currently located along the edge of the structural root zone area needs to be moved 5 metres westward. This relocation will reduce potential impacts on the tree's root zone, which could be compromised if construction remains too close.

Tree 50:

- **Root Impact Investigation:** A thorough root investigation is required to assess whether the proposed construction will impact this tree. This investigation will guide decisions on adjusting construction methods to prevent harm.
- **Footpath Installation:** Similar to Trees 11, 13, and 20, the footpath around Tree 50 should be installed above grade without altering the existing ground level. This approach will help avoid damage to roots that are close to the surface, should root investigation determine it can be retained.

Trees 450, 451, 453, 461:

- **Walkway Construction:** For these trees, the walkway must be fully elevated as indicated in the design, with flexible pier locations. Flexible piers allow for installation adjustments to avoid critical roots.
- **Crown Conflict Avoidance:** The construction process must avoid conflicts with the tree crowns. For example, if cranes or other machinery are used, their movement and placement should be planned to avoid descending through or damaging the tree crowns, which could cause physical harm to the canopy and increase stress on the trees.

6.6. Tree Pruning

Four trees require pruning to facilitate construction and are summarised in Table 15.

It is anticipated that additional minor pruning may be required at the direction of the project arborist due to unforeseen project requirements. This additional, unforeseen pruning should be factored into any environmental approval documents that rely on this report. In situations where trees have not been recommended for pruning, the impact on the trees is to be assessed by the Project Arborist and recommendations made to permit pruning or instruct machinery to work around to viably maintain the tree.

Trees are to be pruned in accordance with AS 4373-2007: *Pruning of Amenity Trees* (Standards Association of Australia, 2007) .

Trees are to be dismantled and/or removed in such a manner as to avoid damage to adjacent or understory vegetation and structures.

All pruning works should be completed by a minimum AQF Level 3 Arborist or under direct supervision thereof.

Table 15: Pruning schedule

Tree no.	Botanical Name	Pruning Recommendation
20	<i>Eucalyptus robusta</i>	Prune the lowest southern branch to the collar for pedestrian access and construction.
81	<i>Ficus rubiginosa</i>	Mix of crown reduction and lifting
441	<i>Ficus rubiginosa</i>	Crown reduction of the southern crown in addition to selective pruning required to manage sound wall conflicts.
501	<i>Corymbia maculata</i>	Reduction pruning of the northern crown required to provide adequate building and construction clearance. 10-15% crown volume reduction required.

6.7. Compliance and Certification Reporting – Hold Points

The following project milestones are recommended to be carried out by the project arborist. These inspections are summarised below and expanded upon in the following sections.

Table 16: Compliance and Certification Table

Construction Stage	Task	Responsibility	Certification	Timing of Inspection
Pre-construction	Indicate clearly (with spray paint or tape on trunks) trees approved for removal only	Principal Contractor	Project Arborist	Prior to site establishment
	Install tree protection measures			
	Induct construction staff into Tree Protection Management Plan			
During Construction	Supervise all excavation works proposed within the TPZ of trees to be retained			As required prior to the works proceeding adjacent to trees to be retained
	Inspection of trees by Project Arborist			Quarterly during construction period
Post-construction	Final Inspection of trees by Project Arborist			Following practical completion of works

6.8. Tree Sensitive Construction Methods

Exploratory Root Investigation

Where trees are intended to be retained, and potential works areas may enter the TPZ or SRZ, determining root location and, therefore the impact on the trees is an important process.

Exploratory root excavation should be undertaken in a manner that causes the least amount of damage to root material in the process. This may include the use of air excavation (air-spade) or hydro or dry-vac excavation. Root investigations should be undertaken at pre-agreed locations that will most effectively guide the design.

Findings of the root investigation should be compiled into a report which identifies significant roots that should be retained and less significant roots that may be appropriate for severance. The size and volume of roots which may be cut must be assessed by an arborist and consider tree physiology, existing site and soil conditions and species traits and tolerance of root pruning.

Fill within Tree Protection Zones

Where unavoidable, fill placed within TPZ of trees to be retained shall be well-drained material equivalent or finer in texture than the existing site topsoil material and should comply with AS 4419:2018 *Soils for Landscaping and Garden Use* (Standards Australia Limited., 2018).

The fill can be lightly consolidated but not to engineering standards. If fill is to be placed by machinery, this must be done from outside the TPZ or from existing hard stand areas. Alternatively, ground, trunk and branch protection may be used to facilitate machine access.

Pavements within Tree Protection Zones

Any pavements or footpaths within TPZ of trees to be retained should be installed at or above the existing grade to minimise the need for excavation to avoid damage or severance of primary woody roots. The pavement sub-base shall be a coarse, gap-graded material with no fines in order to allow some aeration and moisture infiltration to the root zone. The use of permeable pavements, bonded aggregate or cellular confinement systems should be investigated as alternative construction methods.

Landscaping Works within Tree Protection Zones

The landscape plan is to be checked for compliance with the TPMP. Staged removal of tree protection methods may be required to facilitate landscaping works.

Any landscaping works within the TPZ of trees to be retained are to be under the direct supervision of the Project Arborist. These may include but are not limited to; retaining walls, irrigation and lighting systems, topdressing, planting and paving.

Any landscaping works requiring excavation for drainage or the like is to be undertaken using non-destructive methods previously described.

Trenching for Installation of Underground Services

All underground services should be routed outside the TPZ of trees to be retained. Where unavoidable, services may be installed via alternative methods which may include tree sensitive excavation or Horizontal Directional Drilling (HDD). Where HDD is used, entry and exit pits are to be located outside the TPZ of trees to be retained.

Where excavation or trenching is required to facilitate the installation of underground services within the TPZs of any site trees arborist supervision is required. Works should be undertaken using techniques that are sensitive to tree roots to avoid unnecessary damage. Such techniques include

- Excavation by hand
- Excavation using a high-pressure water jet and vacuum truck
- Excavation using an Air Spade with a vacuum truck.

Machine excavation is prohibited within the TPZs of retained trees unless undertaken at the direct consent from the project arborist and/or the responsible authority.

Where a situation occurs that a significant root (root greater than >50 mm diameter) requires pruning or removal, the root is to be severed with a sharp saw implement by or under the instruction of the Project Arborist.

7. Arboricultural Method Statement – Pre-Construction & Demolition

7.1. Site Establishment

The Project Arborist is to be provided a copy of the Construction Management Plan (CMP) to check for compliance with the TPMP. The CMP should ensure that site sheds, haul roads, laydown areas and sediment control are located outside the TPZ of trees to be retained.

At the completion of site establishment, the Project Arborist is to certify that tree protection measures comply with the TPMP.

7.2. Tree Protection Zone Fencing

Protective fencing is to be installed as per Appendix C – Tree Protection Management Plan. Fencing is to comply with Australian Standard AS 4687-2007 Temporary fencing and hoardings (Standards Australia, 2007).

Once erected, protective fencing must not be removed or altered without approval from the project arborist. The TPZ fencing should be secured to restrict access.

TPZ fencing is to be a minimum of 1.8m high and mesh or wire between posts must be highly visible. Fence posts and supports should have a diameter greater than 20mm and should ideally be freestanding, otherwise be located clear of the roots.

Tree protection fencing must remain intact throughout all proposed construction works and must only be dismantled after their conclusion. The temporary dismantling of tree protection fencing must only be done with the authorisation of the Project Arborist and/or the responsible authority.

An example of tree protection fencing is shown in Figure 9.

Any works to be undertaken within the Tree Protection Zone fencing are to be monitored and certified by the project arborist.

Legend:

1. Chain wire mesh panels with shade cloth (if required) attached, held in place with concrete feet.
2. Alternative plywood or wooden paling fence panels. The fencing material also prevents building materials or soil entering the TPZ.
3. Mulch installation across the surface of TPZ (at the discretion of the project arborist). No excavation, construction activity, grade changes, surface treatment or storage of materials of any kind is permitted within the TPZ.
4. Bracing is permissible within the TPZ. Installation of supports should avoid damaging roots.

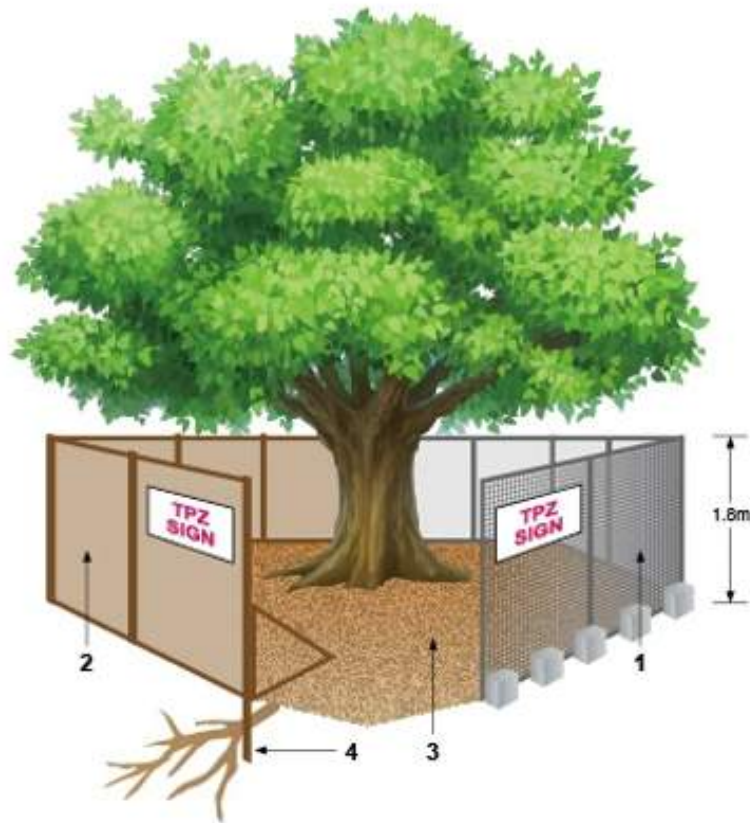


Figure 9: Recommended tree protection fencing measures. (Standards Australia, 2009)

7.3. Prohibited Activities within the TPZ

Activities generally excluded from the TPZ included but are not limited to-

- a) Machine excavation including trenching;
- b) Excavation for silt fencing;
- c) cultivation;
- d) storage;
- e) preparation of chemicals, including preparation of cement products;
- f) parking of vehicles and plant;
- g) refuelling;
- h) dumping of waste;
- i) wash down and cleaning of equipment;
- j) placement of fill;
- k) lighting of fires;
- l) soil level changes;
- m) temporary or permanent installation of utilities and signs, and

- n) physical damage to the tree.

7.4. Tree Protection Signs

Signs identifying the TPZ are to be installed on the tree protection fencing in 10m intervals. An example is shown below in Figure 10.



Figure 10: Example of tree protection signage. (Standards Australia, 2009)

7.5. Sediment Control

Sediment control within tree protection zones is to be installed to avoid below ground excavation as this may damage roots. Coir logs installed above grade that are pinned to avoid roots are an acceptable method.

7.6. Ground, Trunk and Branch Protection

If temporary access for machinery is required within the TPZ of trees to be retained, ground protection measures will be required. The purpose of ground protection is to prevent root damage and soil compaction. Measures may include a permeable membrane such as geotextile fabric beneath a 100mm thick layer of mulch or crushed rock below rumble boards, or steel plates or track mats as per Figure 11.

Tree trunk/s and/or major branches located within close proximity to works must be wrapped with protective hessian or similar acceptable material to prevent tree injury. Major branches would typically be considered to be of a diameter greater than 100mm diameter.

Timber battens (50 mm x 100 mm x 2000mm or similar) must be placed around tree trunks with battens spaced at 100 mm intervals and fixed against the trunk using metal or durable plastic strapping with connections appropriately finished or covered to protect pedestrians from snagging injury. The hessian and timber battens must not be fixed to the tree. Tree trunk and major branch protection are to remain in place for the duration of works and must be removed at the completion of the project .

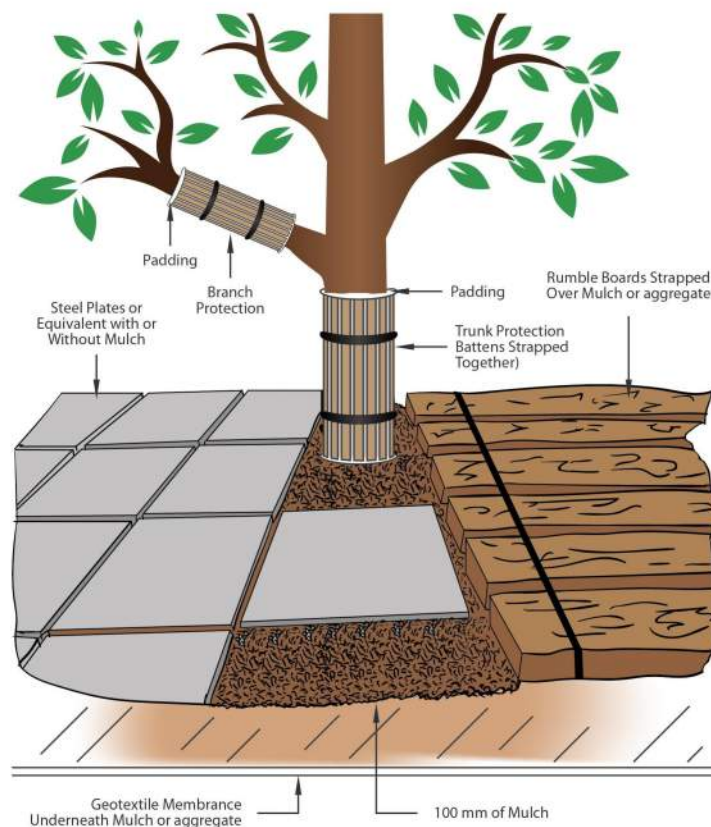


Figure 11: Details of trunk, branch and ground protection. (Standards Australia, 2009)

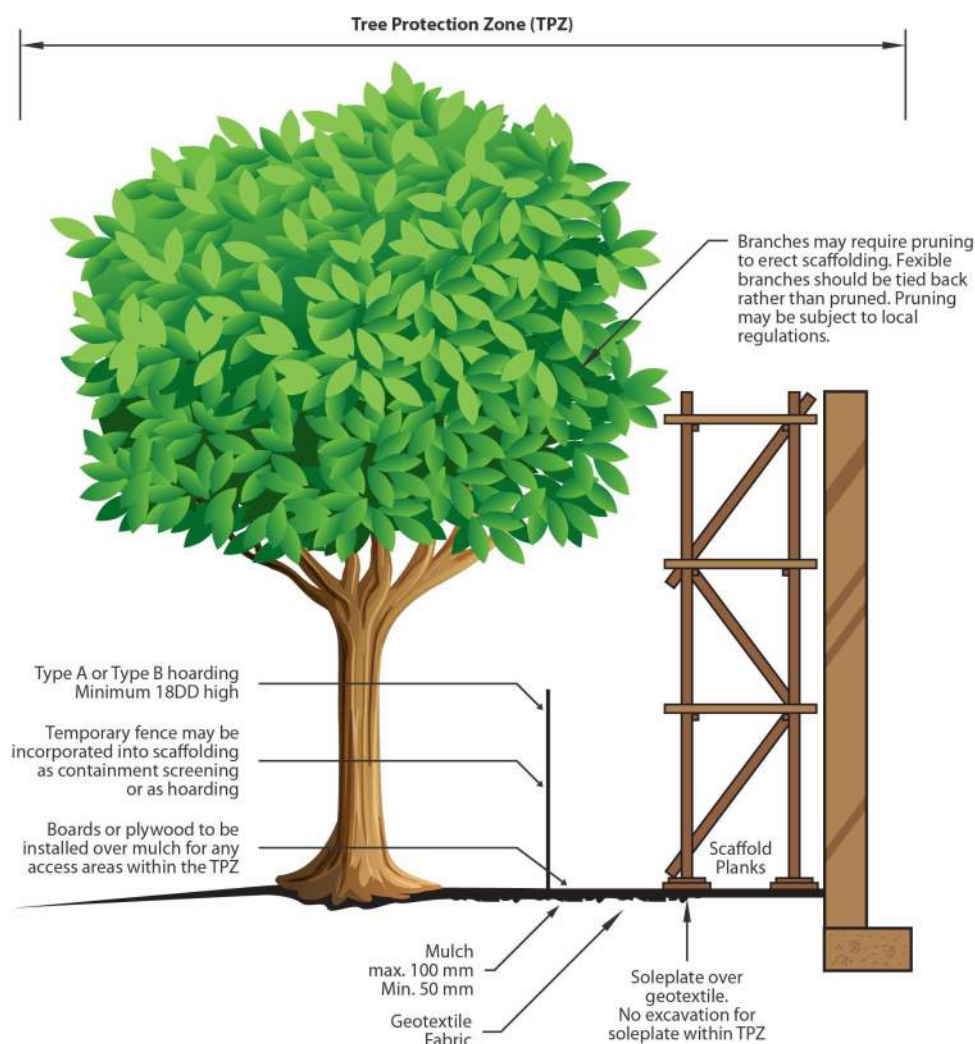
7.7. Demolition of Existing Hard Stand Areas

Demolition of existing hard stand areas within the TPZ of trees to be retained may be undertaken using machinery but must be under the supervision of the Project Arborist. Demolition of the ground surfaces must be undertaken from existing hard stand areas or ground protection and should commence at the outer extent of the existing surface material and move away from trees to be retained.

7.8. Scaffolding

Where scaffolding is required it should be erected outside the TPZ. Where it is essential for scaffolding to be erected within the TPZ, branch removal should be minimised. This can be achieved by designing scaffolding to avoid branches or tying back branches. Where pruning is unavoidable it must be specified by the project arborist in accordance with AS 4373-2007 Pruning of Amenity Trees. NOTE: Pruning works will require approval by determining authority.

The ground below the scaffolding should be protected by boarding (e.g. scaffold board or plywood sheeting) as shown in Figure 12. Where access is required, a boardwalk or other surface material should be installed to minimise soil compaction. Boarding should be placed over a layer of mulch and impervious sheeting to prevent soil contamination. The boarding should be left in place until the scaffolding is removed.



NOTE: Excavation required for the insertion of support posts for tree protection fencing should not involve the severance of any greater than 20 mm in diameter. Without the prior approval of the project arborist.

Figure 12: Details of scaffold installation. (Standards Australia, 2009)

8. Arboricultural Method Statement – Construction Stage

8.1. Excavations Within Tree Protection Zones

The Project Arborist is to monitor the impacts of demolition, bulk earthworks, and installation of temporary infrastructure including building, sediment control and drainage works.

Where the extent of encroachment is less than 10% of the TPZ, including any excavations for benching and shoring, excavation may be undertaken using conventional construction methods. 10% of the TPZ is equivalent to one-third of the TPZ radius on one side as shown in Figure 13.

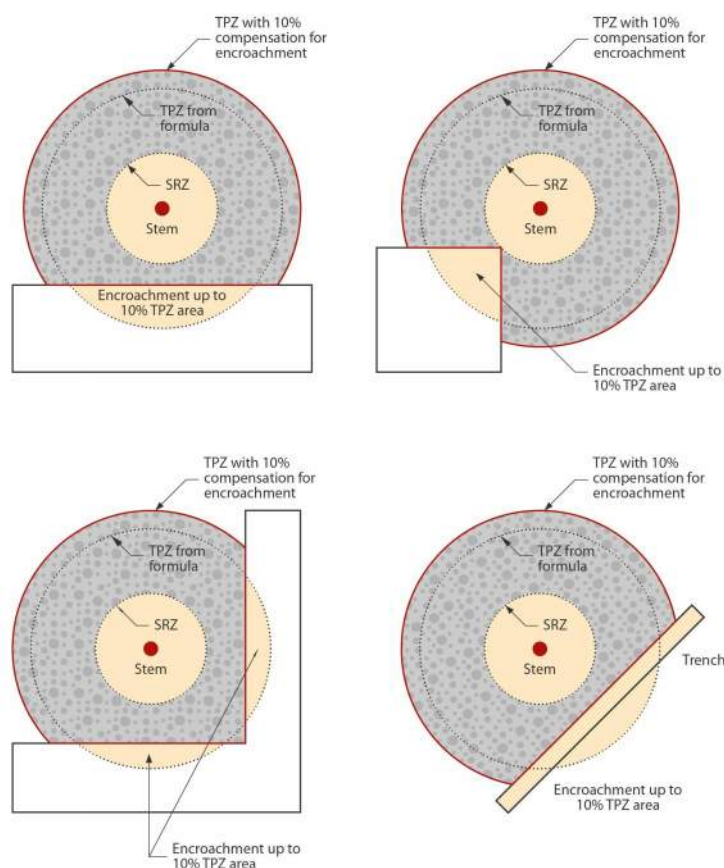


Figure 13: Example of permissible encroachment into the TPZ. (Standards Australia, 2009)

Where the encroachment is to be greater than 10% of the TPZ and prior to any mechanical excavations for building foundations, shoring, retaining wall or pavement subgrade within the TPZ of trees to be retained; exploratory excavation using non-destructive methodology shall be undertaken at the perimeter of the structure, excavation required for shoring, retaining wall or pavement subgrade within the TPZ.

Such techniques include:

- Excavation by hand
- Excavation using a high-pressure water jet and vacuum truck
- Excavation using an Air Spade with a vacuum truck.

The non-destructive excavation shall be undertaken at the outer limits of the structure to the depth of the foundation or excavation, or to a maximum of 800mm below existing surface levels. All care must be taken to prevent the damage or severance of roots greater than 50mm in diameter. Any roots encountered that are less than 50mm in diameter may be cleanly severed with a sharp pruning implement at the interface of the excavation nearest the tree. The exposed root zone is to be kept moist by way of geotextile or hessian placed along the open interface of the excavation nearest the tree.

Where roots greater than 50mm in diameter are encountered during exploratory excavation, advice from the Project Arborist shall be sought.

8.2. Tree Damage

Care is to be taken when operating cranes, piling rigs or similar near trees to avoid damage to tree canopies. Under no circumstances are branches to be torn off by construction equipment.

9. Arboricultural Method Statement – Post-construction

9.1. Defects Liability Period

Completion of outstanding building or landscaping works following the construction period must not injure trees.

9.2. Final Certification

The final inspection by the Project arborist should detail the health and condition of the trees and their growing environment and provide recommendations for any necessary remedial actions. These actions may include pruning in accordance with AS4373-2007 *Pruning of amenity trees* and/or soil remediation to repair the growing environment.

On project completion, the project arborist shall certify in writing to the Certifying Authority that the conditions of consent relating to tree protection, tree removal, pruning and planting of new trees have been complied with or, if the conditions have been contravened, detail the extent and nature of the departure from the conditions and their impacts on trees.

10. References

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11. Appendix A - IACA Significance of a Tree, Assessment Rating System (STARS) ©

Tree Landscape Significance - Assessment Criteria

1. High Significance in landscape	2. Medium Significance in landscape	3. Low Significance in landscape
The tree is in good condition and good vigour; The tree has a form typical for the species; The tree is a remnant or is a planted locally indigenous specimen and/or is rare or uncommon in the local area or of botanical interest or of substantial age; The tree is listed as a Heritage Item, Threatened Species or part of an Endangered ecological community or listed on Councils significant Tree Register; The tree is visually prominent and visible from a considerable distance when viewed from most directions within the landscape due to its size and scale and makes a positive contribution to the local amenity; The tree supports social and cultural sentiments or spiritual associations, reflected by the broader population or community group or has commemorative values; The tree's growth is unrestricted by above and below ground influences, supporting its ability to reach dimensions typical for the taxa <i>in situ</i> - tree is appropriate to the site conditions.	The tree is in fair-good condition and good or low vigour; The tree has form typical or atypical of the species; The tree is a planted locally indigenous or a common species with its taxa commonly planted in the local area The tree is visible from surrounding properties, although not visually prominent as partially obstructed by other vegetation or buildings when viewed from the street, The tree provides a fair contribution to the visual character and amenity of the local area, The tree's growth is moderately restricted by above or below ground influences, reducing its ability to reach dimensions typical for the taxa <i>in situ</i>.	The tree is in fair-poor condition and good or low vigour; The tree has form atypical of the species; The tree is not visible or is partly visible from surrounding properties as obstructed by other vegetation or buildings, The tree provides a minor contribution or has a negative impact on the visual character and amenity of the local area, The tree is a young specimen which may or may not have reached dimension to be protected by local Tree Preservation orders or similar protection mechanisms and can easily be replaced with a suitable specimen, The tree's growth is severely restricted by above or below ground influences, unlikely to reach dimensions typical for the taxa <i>in situ</i> - tree is inappropriate to the site conditions, The tree is listed as exempt under the provisions of the local Council Tree Preservation Order or similar protection mechanisms, The tree has a wound or defect that has potential to become structurally unsound. Environmental Pest / Noxious Weed Species The tree is an Environmental Pest Species due to its invasiveness or poisonous/ allergenic properties, The tree is a declared noxious weed by legislation. Hazardous/Irreversible Decline The tree is structurally unsound and/or unstable and is considered potentially dangerous, The tree is dead, or is in irreversible decline, or has the potential to fail or collapse in full or part in the immediate to short term.

The tree is to have a minimum of three (3) criteria in a category to be classified in that group. Note: The assessment criteria are for individual trees only, however, can be applied to a monocultural stand in its entirety e.g. hedge.

Estimated Life Expectancy

1. Long	2. Medium	3. Short	4. Remove
Trees that appear to be retainable with an acceptable level of risk for more than 40 years. Structurally sound trees located in positions that can accommodate future growth. Storm damaged or defective trees that could be made suitable for retention in the long term by remedial tree surgery. Trees of special significance for historical, commemorative, or rarity reasons that would warrant extraordinary efforts to secure their long-term retention.	Trees that appear to be retainable with an acceptable level of risk for 15-40 years. Trees that may only live between 15 and 40 more years. Trees that may live for more than 40 years but would be removed to allow the safe development of more suitable individuals. Trees that may live for more than 40 years but would be removed during the course of normal management for safety or nuisance reasons. Storm damaged or defective trees that require substantial remedial work to make safe and are only suitable for retention in the short term.	Trees that appear to be retainable with an acceptable level of risk for 5-15 years. Trees that may only live between 5 and 15 more years. Trees that may live for more than 15 years but would be removed to allow the safe development of more suitable individuals. Trees that may live for more than 15 years but would be removed during the course of normal management for safety or nuisance reasons. Storm damaged or defective trees that require substantial remedial work to make safe and are only suitable for retention in the short term.	Trees with a high level of risk that would need removing within the next 5 years. Dead trees. Trees that should be removed within the next 5 years. Dying or suppressed or declining trees through disease or inhospitable conditions. Dangerous trees through instability or recent loss of adjacent trees. Dangerous trees through structural defects, including cavities, decay, included bark, wounds, or poor form. Damaged trees that are considered unsafe to retain. Trees that could live for more than 5 years but may be removed to prevent interference with more suitable individuals or to provide space for new planting. Trees that will become dangerous after removal of trees for other reasons.

Tree Retention Value – Priority Matrix

		Landscape Significance Rating				
		1 (High)	2 (Medium)	3 (Low)	4 (Environmental Pest / Noxious Weed)	5 (Hazardous / Irreversible Decline)
Estimated Life Expectancy	Long (>40)	High - Priority for Retention	High - Priority for Retention	Medium - Consider for Retention	Low - Consider for Removal	Priority for Removal
	Medium (15-40)	High - Priority for Retention	Medium - Consider for Retention	Medium - Consider for Retention Low - Consider for Removal	Low - Consider for Removal	Priority for Removal
	Short (5-15)	Low - Consider for Removal	Low - Consider for Removal	Low - Consider for Removal	Priority for Removal	Priority for Removal
	Dead Or Hazardous (0-5)	Low - Consider for Removal	Priority for Removal	Priority for Removal	Priority for Removal	Priority for Removal

Legend for Matrix Assessment

High - Priority for Retention	These trees are considered important for retention and should be retained and protected. Design modification or re-location of buildings should be considered to accommodate the setbacks as prescribed by the Australian Standard AS4979 <i>Protection of trees on development sites</i> . Tree-sensitive construction must be implemented, e.g. pier and beam, etc if works are to proceed within the Tree Protection Zone
Medium - Consider for Retention	These trees may be retained and protected. These are considered less critical; however, their retention should remain a priority with removal considered only if adversely affecting the proposed building/works and all other alternatives have been considered exhausted.
Low - Consider for Removal	These trees are not important for retention, nor require special works or design modification to be implemented for their retention.
Priority for Removal	These trees are considered hazardous, or in irreversible decline, or weeds and should be removed irrespective of development.

12. Appendix B - Tree Assessment Schedule

Tree no.	Botanical Name	Common Name	Trees in group	Diameter Total (cm)	Diameter (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULF (Yrs.)	Observations	Comments	DCP Status	Origin	STAR5 Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required
1	Melaleuca quinquenervia	Broad-leafed Paperbark	1	23.85	29	2.9	25.7	2.0	6	5	Good	Fair	Juvenile	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter), Included bark	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (55.7%), footpath (19.41%), bulk earthworks (2.87%) which enters the SRZ	Y	55.7	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
2	Dead tree	Dead tree	2	11	18	2.0	12.6	1.6	6	1	Dead	Poor	Juvenile	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Group includes small dead tree to west.	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective			
3	Eucalyptus robusta	Swamp Mahogany	1	28	34	3.4	35.5	2.1	13	5	Fair	Fair	Semi-mature	Medium (15-40)	Deadwood minor (<3cm diameter), Decay, Fungal fruiting body(s), Wound(s)	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (87.13%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
4	Ficus benjamina	Weeping Fig	1	30.61	33	3.7	42.4	2.1	8	7	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Included bark, Wound(s)	Protected	Native	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (92.89%), footpath (0.19%), bulk earthworks (11.01%) which enters the SRZ	Y	92.89	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
5	Juniperus chinensis	Chinese Juniper	1	14	23	2.0	12.6	1.8	6	3	Fair	Fair	Semi-mature	Short (5-15)	Co-dominant stems, Deadwood minor (<3cm diameter), Dieback, Included bark, Suppressed	Protected	Exotic	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (78.82%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
6	Banksia integrifolia	Coast Banksia	1	31.24	41	3.7	44.2	2.3	10	7	Good	Good	Mature	Medium (15-40)	Deadwood minor (<3cm diameter), Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (60.95%), footpath (7.17%), bulk earthworks (24.45%) which enters the SRZ	Y	60.95	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
7	Ficus rubiginosa	Port Jackson Fig	1	50.93	56	6.1	117.3	2.6	9	14	Fair	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Damaging infrastructure, Deadwood minor (<3cm diameter), Dieback, Mechanical damage, Over-extended branch(es), Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for footpath (12.77%)	N	12.77	Major	As the level of encroachment only marginally exceeds 10% and existing structures have likely influenced root growth, no significant impact to this tree is expected. In addition, the footpath is to be at or above existing grade which will limit root pruning.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
8	Eucalyptus robusta	Swamp Mahogany	1	33	39	4.0	49.3	2.2	12	5	Fair	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Dieback, Previous failure(s), Weak attachments, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for footpath (4.91%)	N	4.91	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
9	Ficus benjamina	Weeping Fig	1	31.54	28	3.8	45.0	1.9	7	6	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Included bark, Wound(s)	Protected	Native	2 (Medium)	High - Priority for Retention	TPZ encroachment for footpath (22.97%) which enters the SRZ	Y	22.97	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
10	Ficus benjamina	Weeping Fig	1	24.02	32	2.9	26.1	2.1	6	5	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Included bark, Wound(s)	Protected	Native	2 (Medium)	High - Priority for Retention	TPZ encroachment for footpath (31.98%) which enters the SRZ	Y	31.98	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
11	Casuarina glauca	Swamp Sheoak	1	23	31	2.8	23.9	2.0	10	4	Good	Good	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter), Included bark, Wound(s)	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for footpath (9.83%) which enters the SRZ	Y	9.83	Major	The footpath is within the SRZ. If this tree is to be retained, the new footpath must be constructed above existing grade to avoid impacts to structural roots.	Retain - generic plus	Footpath to be tree sensitive and installed at or above existing grade.	TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
12	Leptospermum petersonii	Lemon-scented Tea Tree	3	15.59	24	2.0	12.6	1.8	5	4	Poor	Poor	Semi-mature	Short (5-15)	Co-dominant stems, Damaging infrastructure, Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Suppressed, Weak attachments, Wound(s)	Group of 3 small trees includes tree to east and west.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
13	Ficus rubiginosa	Port Jackson Fig	1	51	53	6.1	117.7	2.5	11	10	Fair	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Dieback, Excessively thin crown density, Included bark, Leaf feeding insect, Over-extended branch(es), Suppressed, Weak attachments, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for footpath (13.12%) which enters the SRZ	Y	13.12	Major	The footpath is within the SRZ. If this tree is to be retained, the new footpath must be constructed above existing grade to avoid impacts to structural roots.	Retain - generic plus	Footpath to be tree sensitive and installed at or above existing grade.	TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
14	Leptospermum petersonii	Lemon-scented Tea Tree	3	10	24	2.0	12.6	1.8	5	4	Poor	Poor	Semi-mature	Short (5-15)	Co-dominant stems, Damaging infrastructure, Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Suppressed, Weak attachments, Wound(s)	Group of 3 small trees includes tree to east and west.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
15	Dead tree	Dead tree	1	9	13	2.0	12.6	1.5	5	1	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	3 (Low)	Priority for Removal	TPZ encroachment for footpath (41.05%) which enters the SRZ	Y	41.05	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				

Tree no.	Botanical Name	Common Name	Trees in group	Diameter (cm)	Diameter (cm)	Radius TPZ (m)	TPZ area (m2)	Radius SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULF (Yrs.)	Observations	Comments	DCP Status	Origin	STARs Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Requirements
16	<i>Eucalyptus globulus subsp. maidenii</i>	Maiden's Gum	1	50.77	59	6.1	116.6	2.7	15	14	Very Poor	Poor	Mature	Dead Or Hazardous/ Remove (0-5)	Cankers, Co-dominant stems, Crossing/rubbing branches, Deadwood major (>10cm diameter), Decay, Dieback, Epicormic shoots, Excessively thin crown density, Weak attachments, Wound(s)	Tree exhibits extremely poor health, the majority of the remaining living canopy is limited to epicormic shoots within the interior of the tree whilst the vast majority of the outer canopy has died back.	Protected	Native	2 (Medium)	Priority for Removal	TPZ encroachment for footpath (15.32%) which enters the SRZ	Y	15.32	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective			
17	<i>Ficus rubiginosa</i>	Port Jackson Fig	1	13.45	15	2.0	12.6	1.5	5	4	Good	Good	Juvenile	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Included bark, Suppressed		Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for footpath (40.04%) which enters the SRZ	Y	40.04	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
18	<i>Lophostemon confertus</i>	Brushbox	1	12.04	16	2.0	12.6	1.5	5	4	Good	Good	Juvenile	Medium (15-40)	Co-dominant stems, Suppressed		Protected	Native	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
19	<i>Eucalyptus robusta</i>	Swamp Mahogany	1	23	31	2.8	23.9	2.0	15	9	Fair	Good	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter), Dieback, Included bark, Weak attachments, Wound(s)		Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for footpath (0.35%)	N	0.35	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
20	<i>Eucalyptus robusta</i>	Swamp Mahogany	1	64.68	73	7.8	189.3	2.9	18	20	Good	Good	Mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Epicormic shoots, Included bark, Over-extended branch(es), Wound(s)		Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (3.35%), footpath (10.79%), bulk earthworks (0.57%) which enters the SRZ	Y	10.79	Major	The footpath is within the SRZ. If this tree is to be retained, the new footpath must be constructed above existing grade to avoid impacts to structural roots.	Retain - generic plus	Footpath to be tree sensitive and installed at or above existing grade.	TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	Prune the lowest southern branch to the collar for pedestrian access and construction.
21	<i>Cupressus sempervirens 'Stricta'</i>	Pencil Pine	1	11	12	2.0	12.6	1.5	8	1	Fair	Good	Semi-mature	Medium (15-40)	Suppressed		Protected	Exotic	3 (Low)	Medium - Consider for Retention	TPZ encroachment for footpath (1.23%)	N	1.23	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
22	<i>Callistemon viminalis</i>	Weeping Bottlebrush	2	11	13	2.0	12.6	1.5	5	4	Good	Fair	Juvenile	Medium (15-40)	Deadwood minor (<3cm diameter), Suppressed	Group includes small tree to east.	Protected	Native	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
23	<i>Ficus benjamina</i>	Weeping Fig	1	51.36	46	6.2	119.3	2.4	10	10	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter), Included bark, Mechanical damage, Wound(s)		Protected	Native	1 (High)	High - Priority for Retention	TPZ encroachment for footpath (15.1%) which enters the SRZ	Y	15.1	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
24	<i>Ficus benjamina</i>	Weeping Fig	1	27.46	33	3.3	34.1	2.1	8	10	Good	Fair	Semi-mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Deadwood minor (<3cm diameter), Decay, Epicormic shoots, Included bark, Suppressed, Wound(s)		Protected	Native	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (1.96%), footpath (27.38%) which enters the SRZ	Y	27.38	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
25	<i>Leptospermum petersonii</i>	Lemon-scented Tea Tree	1	12.57	21	2.0	12.6	1.7	5	4	Good	Fair	Juvenile	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Deadwood minor (<3cm diameter), Epicormic shoots, Suppressed, Weak attachments		Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (56.1%), footpath (21.97%) which enters the SRZ	Y	56.1	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
26	<i>Eucalyptus sp.</i>	Eucalypt	1	11	16	2.0	12.6	1.5	5	2	Very Poor	Poor	Juvenile	Dead Or Hazardous/ Remove (0-5)	Deadwood major (>10cm diameter), Dieback		Protected	Native	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (36.33%) which enters the SRZ	Y	100	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective			
27	<i>Ficus benjamina</i>	Weeping Fig	1	27.66	36	3.3	34.6	2.2	8	7	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Included bark, Wood borer, Wound(s)		Protected	Native	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (36.79%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
28	<i>Casuarina glauca</i>	Swamp Sheoak	1	6	11	2.0	12.6	1.5	5	1	Good	Good	Juvenile	Short (5-15)	Group of self-sown suckers, Suppressed		Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
29	<i>Casuarina glauca</i>	Swamp Sheoak	1	10	15	2.0	12.6	1.5	10	3	Fair	Good	Juvenile	Long (>40)	Deadwood minor (<3cm diameter), Mechanical damage, Wound(s)		Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (47.06%), palisade fence (16.11%), footpath (15.95%), bulk earthworks (58.41%) which enters the SRZ	Y	58.41	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			

Tree no.	Botanical Name	Common Name	Trees in group	D094 Total (cm)	D093 (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STAR5 Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required
30	Casuarina glauca	Swamp Sheoak	1	18	26	2.2	14.7	1.9	10	3	Fair	Good	Juvenile	Long (>40)	Deadwood minor (<3cm diameter), Mechanical damage, Wound(s)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
31	Eucalyptus sp.	Eucalypt	1	19	23	2.3	16.3	1.8	5	2	Very Poor	Poor	Juvenile	Short (5-15)	Deadwood major (>10cm diameter), Dieback, Suppressed	Protected	Native	3 (Low)	Low - Consider for Removal	TPZ encroachment for palisade fence (0.26%), footpath (37.22%) which enters the SRZ	Y	37.22	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
32	Ficus benjamina	Weeping Fig	1	38.01	37	4.6	65.4	2.2	6	6	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Deadwood minor (<3cm diameter), Included bark, Wound(s)	Protected	Native	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (0.1%), palisade fence (8.27%), footpath (20.54%), bulk earthworks (40.63%) which enters the SRZ	Y	40.63	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
33	Pittosporum undulatum	Sweet Pittosporum	1	13	16	2.0	12.6	1.5	5	6	Fair	Poor	Mature	Short (5-15)	Co-dominant stems, Constrained growing environment, Crossing/rubbing branches, Suppressed	Exempt	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (8.04%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
34	Callistemon viminalis	Weeping Bottlebrush	1	8	14	2.0	12.6	1.5	6	4	Good	Fair	Semi-mature	Medium (15-40)	Constrained growing environment, Crossing/rubbing branches, Deadwood minor (<3cm diameter)	Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (7.87%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
35	Melaleuca linariifolia	Snow-in-sommer	1	15.81	17	2.0	12.6	1.6	5	3	Poor	Fair	Semi-mature	Short (5-15)	Deadwood moderate (3-10cm diameter), Dieback, Excessively thin crown density, Suppressed	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (24.42%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
36	Ficus rubiginosa	Port Jackson Fig	1	77.55	90	9.3	272.1	3.2	11	15	Good	Good	Mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Included bark, Over-extended branch(es), Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (93.09%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
37	Casuarina glauca	Swamp Sheoak	1	12	14	2.0	12.6	1.5	5	2	Fair	Fair	Juvenile	Short (5-15)	Constrained growing environment, Deadwood moderate (3-10cm diameter), Suppressed, Wound(s)	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
38	Casuarina glauca	Swamp Sheoak	1	38	47	4.6	65.3	2.4	14	8	Good	Good	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter), Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (83.73%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
39	Casuarina glauca	Swamp Sheoak	1	16	20	2.0	12.6	1.7	10	5	Fair	Good	Semi-mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Dieback, Excessively thin crown density, Wound(s)	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
40	Casuarina glauca	Swamp Sheoak	1	26	31	3.1	30.6	2.0	13	5	Fair	Good	Semi-mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Dieback, Excessively thin crown density, Wound(s)	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (74.03%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
41	Casuarina glauca	Swamp Sheoak	1	19	27	2.3	16.3	1.9	13	5	Fair	Good	Semi-mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Dieback, Excessively thin crown density, Wound(s)	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (85.21%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
42	Pittosporum undulatum	Sweet Pittosporum	1	8.6	14	2.0	12.6	1.5	4	4	Good	Good	Juvenile	Short (5-15)	Constrained growing environment, Suppressed	Exempt	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
43	Eucalyptus robusta	Swamp Mahogany	1	17	25	2.0	13.1	1.8	12	6	Good	Fair	Semi-mature	Short (5-15)	Co-dominant stems, Crossing/rubbing branches, Deadwood minor (<3cm diameter), Inappropriate location, Suppressed, Wound(s)	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
44	Callistemon viminalis	Weeping Bottlebrush	1	13	19	2.0	12.6	1.6	5	4	Fair	Fair	Juvenile	Short (5-15)	Damaging infrastructure, Deadwood minor (<3cm diameter), Suppressed	Protected	Native	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
45	Casuarina glauca	Swamp Sheoak	1	31	44	3.7	43.5	2.3	17	7	Good	Good	Mature	Long (>40)	Deadwood minor (<3cm diameter), Epicormic shoots, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
46	Casuarina glauca	Swamp Sheoak	1	16	25	2.0	12.6	1.8	15	3	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter), Epicormic shoots, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
47	Casuarina glauca	Swamp Sheoak	1	33	46	4.0	49.3	2.4	17	7	Good	Good	Mature	Long (>40)	Deadwood minor (<3cm diameter), Epicormic shoots, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (98.14%), bulk earthworks (89.8%) which enters the SRZ	Y	98.14	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
48	Casuarina glauca	Swamp Sheoak	1	29	40	3.5	38.0	2.3	18	6	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter), Epicormic shoots, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (99.84%), bulk earthworks (91.92%) which enters the SRZ	Y	99.84	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				

Tree no.	Botanical Name	Common Name	Trees in group	DGH Total (cm)	DHB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STAR5 Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Requirements
49	Casuarina glauca	Swamp Sheoak	1	31.62	45	3.8	45.2	2.4	15	6	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter), Epicormic shoots, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
50	Eucalyptus grandis	Flooded Gum	1	41	47	4.9	76.0	2.4	22	12	Good	Good	Mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Epicormic shoots, Over-extended branch(es), Wound(s)	Protected	Native	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (31.55%), stormwater (22.08%), palisade fence (1.99%), footpath (6.71%), bulk earthworks (8.18%) which enters the SRZ	Y	43.77	Major	Tree will be subject to significant earthworks and surface sealing. Excavation works for the new driveway and crossover and kerb edge are within the SRZ. This tree is unlikely to be viable for retention but its viability should be determined during detailed design.	Retain - generic plus	Root investigation required to confirm impact to this tree. Footpath to be installed above grade with no level changes.	TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
51	Eucalyptus grandis	Flooded Gum	1	53	70	6.4	127.1	2.8	22	19	Good	Good	Mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Epicormic shoots, Over-extended branch(es), Wound(s)	Protected	Native	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (41.85%), palisade fence (1.19%), footpath (4.01%), stormwater (23.0%), bulk earthworks (11.87%) which enters the SRZ	Y	41.85	Major	Tree will be subject to significant earthworks and surface sealing. Excavation works for the new driveway and crossover and kerb edge are within the SRZ. This tree is unlikely to be viable for retention but its viability should be determined during detailed design.	Remove - project impacts				
52	Eucalyptus grandis	Flooded Gum	1	17	32	2.0	13.1	2.1	22	4	Good	Good	Semi-mature	Short (5-15)	Deadwood moderate (3-10cm diameter), Inappropriate location, Suppressed	Proximity to kerb edge limits ULE.	Protected	Native	1 (High)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
53	Eucalyptus grandis	Flooded Gum	1	16	32	2.0	12.6	2.1	12	5	Good	Good	Semi-mature	Medium (15-40)	Deadwood minor (<3cm diameter), Epicormic shoots, Suppressed	Protected	Native	1 (High)	High - Priority for Retention	TPZ encroachment for stormwater (0.62%) which enters the SRZ	N	0.62	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design. This is due to a foreseeable SRZ encroachment and changes to wind loading due to removal of adjacent trees.	Remove - project impacts				
54	Corymbia maculata	Spotted Gum	1	32	40	3.8	46.3	2.3	15	8	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
55	Corymbia maculata	Spotted Gum	1	20	30	2.4	18.1	2.0	14	6	Good	Fair	Semi-mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Dieback, Suppressed	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
56	Casuarina glauca	Swamp Sheoak	1	28.79	35	3.5	37.5	2.1	14	4	Good	Good	Semi-mature	Medium (15-40)	Deadwood minor (<3cm diameter), Included bark	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
57	Casuarina glauca	Swamp Sheoak	1	20	28	2.4	18.1	1.9	14	4	Good	Good	Semi-mature	Medium (15-40)	Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
58	Casuarina glauca	Swamp Sheoak	1	17	24	2.0	13.1	1.8	13	3	Good	Good	Semi-mature	Medium (15-40)	Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
59	Corymbia maculata	Spotted Gum	1	23	32	2.8	23.9	2.1	14	6	Good	Good	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
60	Casuarina glauca	Swamp Sheoak	1	17	24	2.0	13.1	1.8	10	5	Good	Good	Semi-mature	Medium (15-40)	Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
61	Corymbia maculata	Spotted Gum	1	16	21	2.0	12.6	1.7	14	6	Good	Fair	Semi-mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Dieback, Suppressed	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
62	Casuarina glauca	Swamp Sheoak	1	28	35	3.4	35.5	2.1	13	5	Fair	Good	Semi-mature	Medium (15-40)	Deadwood minor (<3cm diameter), Dieback, Suppressed	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
63	Corymbia maculata	Spotted Gum	1	35	44	4.2	55.4	2.3	15	10	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter), Dieback	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
64	Corymbia maculata	Spotted Gum	1	16	21	2.0	12.6	1.7	14	6	Good	Fair	Semi-mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Dieback, Suppressed	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				

Tree no.	Botanical Name	Common Name	Trees in group	DHt Total (cm)	DHt (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARBS Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required
65	Casuarina glauca	Swamp Sheoak	1	19	27	2.3	16.3	1.9	12	4	Poor	Good	Semi-mature	Short (5-15)	Deadwood moderate (3-10cm diameter), Dieback, Excessively thin crown density	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
66	Corymbia maculata	Spotted Gum	1	17	22	2.0	13.1	1.8	12	5	Good	Fair	Semi-mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Dieback, Suppressed	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
67	Corymbia maculata	Spotted Gum	1	40.46	53	4.9	74.1	2.5	16	9	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter), Dieback, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
68	Eucalyptus microcorys	Tallowood	1	63	67	7.6	179.6	2.8	17	11	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Poor pruning, Wound(s)	Protected	Native	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (93.62%), bulk earthworks (91.44%) which enters the SRZ	Y	93.62	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
69	Casuarina glauca	Swamp Sheoak	1	35	40	4.2	55.4	2.3	14	8	Good	Good	Semi-mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Deadwood minor (<3cm diameter), Epicormic shoots	Tree not tagged. All dimensions estimated due to access.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (94.19%), bulk earthworks (91.13%) which enters the SRZ	Y	94.19	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
70	Corymbia maculata	Spotted Gum	1	32	41	3.8	46.3	2.3	13	10	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
71	Eucalyptus botryoides	Mahogany Gum	1	56	64	6.7	141.9	2.7	20	10	Good	Good	Mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Deadwood minor (<3cm diameter), Deadwood moderate (3-10cm diameter), Epicormic shoots, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
72	Casuarina glauca	Swamp Sheoak	1	24	33	2.9	26.1	2.1	7	5	Fair	Fair	Semi-mature	Short (5-15)	Excessively thin crown density	Large sections of the crown are dying which may indicate soil borne pathogen.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (4.96%), bulk earthworks (4.79%)	N	4.96	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
73	Acacia binervia	Coast Myall	1	28	37	3.4	35.5	2.2	6	7	Fair	Fair	Mature	Short (5-15)	Asymmetrical crown, Deadwood major (>10cm diameter), Dieback, Suppressed	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (26.25%), bulk earthworks (26.0%) which enters the SRZ	Y	26.25	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
74	Casuarina glauca	Swamp Sheoak	1	26	38	3.1	30.6	2.2	10	6	Poor	Fair	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Deadwood moderate (3-10cm diameter), Excessively thin crown density	Main stem is largely dead which may be due to soil borne pathogen.	Protected	Indigenous	5 (Hazardous / Irreversible Decline)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective			
75	Casuarina glauca	Swamp Sheoak	1	22	31	2.6	21.9	2.0	11	3	Fair	Fair	Semi-mature	Short (5-15)	Deadwood minor (<3cm diameter), Dieback	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
76	Casuarina glauca	Swamp Sheoak	1	26	33	3.1	30.6	2.1	11	4	Good	Fair	Semi-mature	Medium (15-40)	Asymmetrical crown, Previous failure(s), Wound(s)	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
77	Casuarina glauca	Swamp Sheoak	1	26	38	3.1	30.6	2.2	11	5	Good	Good	Semi-mature	Medium (15-40)	Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (11.28%), bulk earthworks (11.04%) which enters the SRZ	Y	11.28	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
78	Casuarina glauca	Swamp Sheoak	1	12	17	2.0	12.6	1.6	6	1	Poor	Poor	Juvenile	Short (5-15)	Excessively thin crown density	Protected	Indigenous	5 (Hazardous / Irreversible Decline)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
79	Casuarina glauca	Swamp Sheoak	1	31	39	3.7	43.5	2.2	14	5	Good	Good	Mature	Medium (15-40)	Wound(s)	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (1.82%), bulk earthworks (1.7%)	N	1.82	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
80	Casuarina glauca	Swamp Sheoak	1	17	25	2.0	13.1	1.8	9	2	Good	Good	Juvenile	Medium (15-40)	Suppressed	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		

Tree no.	Botanical Name	Common Name	Trees in group	DH4 total (cm)	DH3 (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STAR5 Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Requirements
81	<i>Ficus rubiginosa</i>	Port Jackson Fig	1	49.52	58	5.9	110.9	2.6	9	16	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Deadwood minor (<3cm diameter), Included bark		Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (20.22%), stormwater (16.11%), bulk earthworks (18.33%)	N	20.22	Major	Species is tolerant of moderate root disturbance. Given this, the position of the existing sealed surfaces and opportunity for plant health care, this tree will be viable for retention.	Retain - generic plus	Irrigation and mulch to be installed within TPZ prior to works commencing. In addition, 6 weekly treatments with a seaweed based soil conditioner are required.	TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	Mix of crown reduction and lifting
82	<i>Casuarina glauca</i>	Swamp Sheoak	1	25	34	3.0	28.3	2.1	14	6	Good	Fair	Semi-mature	Medium (15-40)	Wound(s)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
83	<i>Casuarina glauca</i>	Swamp Sheoak	1	16	23	2.0	12.6	1.8	7	2	Poor	Poor	Semi-mature	Short (5-15)	Deadwood moderate (3-10cm diameter), Dieback, Poor pruning	Tree has been previously lopped.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
84	<i>Casuarina glauca</i>	Swamp Sheoak	1	14	22	2.0	12.6	1.8	7	2	Poor	Fair	Semi-mature	Short (5-15)	Deadwood moderate (3-10cm diameter), Dieback		Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (4.43%), bulk earthworks (4.09%) which enters the SRZ	Y	4.43	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
85	<i>Casuarina glauca</i>	Swamp Sheoak	1	23	29	2.8	23.9	2.0	9	2	Good	Good	Semi-mature	Medium (15-40)			Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
86	<i>Casuarina glauca</i>	Swamp Sheoak	1	21	30	2.5	20.0	2.0	10	2	Good	Good	Semi-mature	Medium (15-40)			Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (7.84%), bulk earthworks (7.49%) which enters the SRZ	Y	7.84	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
87	<i>Casuarina glauca</i>	Swamp Sheoak	1	21	30	2.5	20.0	2.0	7	5	Good	Good	Semi-mature	Long (>40)	Suppressed		Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (47.94%), bulk earthworks (47.41%) which enters the SRZ	Y	47.94	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
88	<i>Corymbia maculata</i>	Spotted Gum	1	18	22	2.2	14.7	1.8	10	4	Good	Good	Juvenile	Long (>40)	Wound(s)		Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (17.9%) which enters the SRZ	Y	17.9	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
89	<i>Olea europaea subsp. cuspidata</i>	African Olive	2	10.54	24	2.0	12.6	1.8	4	3	Good	Good	Semi-mature	Short (5-15)	Environmental/Declared Weed	Group of two small trees.	Exempt	Exotic	4 (Environmental Pest / Noxious Weed)	Priority for Removal	TPZ encroachment for warehouse and driveway (99.6%), bulk earthworks (44.74%) which enters the SRZ	Y	99.6	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective			
90	<i>Corymbia maculata</i>	Spotted Gum	1	28	31	3.4	35.5	2.0	14	6	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter)		Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (47.92%), bulk earthworks (12.04%) which enters the SRZ	Y	47.92	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
91	<i>Corymbia maculata</i>	Spotted Gum	1	36	45	4.3	58.6	2.4	14	7	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter)		Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (49.49%), bulk earthworks (21.01%) which enters the SRZ	Y	49.49	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
92	<i>Olea europaea subsp. cuspidata</i>	African Olive	1	10.54	24	2.0	12.6	1.8	4	3	Good	Good	Semi-mature	Short (5-15)	Environmental/Declared Weed		Exempt	Exotic	4 (Environmental Pest / Noxious Weed)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective			
93	<i>Leptospermum petersonii</i>	Lemon-scented Tea Tree	1	8.25	23	2.0	12.6	1.8	5	3	Good	Fair	Semi-mature	Short (5-15)	Co-dominant stems, Deadwood minor (<3cm diameter), Included bark		Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
94	<i>Acacia binervia</i>	Coast Myall	1	19	29	2.3	16.3	2.0	5	6	Fair	Fair	Semi-mature	Short (5-15)	Crossing/rubbing branches, Damaging infrastructure, Deadwood minor (<3cm diameter)		Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
95	<i>Casuarina glauca</i>	Swamp Sheoak	1	14	20	2.0	12.6	1.7	8	2	Good	Good	Juvenile	Long (>40)	Deadwood minor (<3cm diameter)		Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (44.34%), bulk earthworks (17.81%) which enters the SRZ	Y	44.34	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
96	<i>Angaphora floribunda</i>	Rough-barked Apple	1	13	16	2.0	12.6	1.5	7	3	Fair	Good	Juvenile	Medium (15-40)			Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (12.36%), 800mm pier hole (2.45%) which enters the SRZ	Y	12.36	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			

Tree no.	Botanical Name	Common Name	Trees in group	Diameter Total (cm)	Diameter (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARBS Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Requirements
97	Corymbia maculata	Spotted Gum	1	13	17	2.0	12.6	1.6	5	4	Good	Good	Juvenile	Medium (15-40)		Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (46.21%), bulk earthworks (18.56%) which enters the SRZ	Y	46.21	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
98	Angaphora floribunda	Rough-barked Apple	1	11	13	2.0	12.6	1.5	7	2	Fair	Poor	Juvenile	Short (5-15)	Previous failure(s), Wound(s)	Previous failure at codominant Union at 5m.	Protected	Native	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
99	Casuarina glauca	Swamp Sheoak	1	29	44	3.5	38.0	2.3	11	6	Good	Good	Mature	Long (>40)	Deadwood minor (<3cm diameter)		Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
100	Casuarina glauca	Swamp Sheoak	1	38	45	4.6	65.3	2.4	14	7	Good	Good	Mature	Long (>40)	Deadwood minor (<3cm diameter)		Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
101	Casuarina glauca	Swamp Sheoak	1	34	44	4.1	52.3	2.3	15	6	Good	Poor	Mature	Short (5-15)	Crossing/rubbing branches, Deadwood minor (<3cm diameter), Included bark, Weak attachments, Wound(s)		Protected	Indigenous	2 (Medium)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
102	Casuarina glauca	Swamp Sheoak	1	27	35	3.2	33.0	2.1	11	5	Good	Fair	Semi-mature	Medium (15-40)	Previous failure(s), Wound(s)	Previous failure wound at 3m.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
103	Casuarina glauca	Swamp Sheoak	1	12	18	2.0	12.6	1.6	6	3	Good	Good	Juvenile	Medium (15-40)	Suppressed		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
104	Casuarina glauca	Swamp Sheoak	1	13	19	2.0	12.6	1.6	7	2	Good	Good	Juvenile	Long (>40)	Suppressed		Protected	Indigenous	2 (Medium)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
105	Eucalyptus robusta	Swamp Mahogany	1	38	44	4.6	65.3	2.3	6	8	Good	Fair	Mature	Medium (15-40)	Asymmetrical root plate, Crossing/rubbing branches, Suppressed		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for palisade fence (0.57%)	N	0.57	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
106	Casuarina glauca	Swamp Sheoak	1	15	16	2.0	12.6	1.5	7	2	Good	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Damaging infrastructure, Self-sown and inappropriately located	Growing over fence.	Protected	Indigenous	3 (Low)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective			
107	Casuarina glauca	Swamp Sheoak	1	12	12	2.0	12.6	1.5	5	4	Good	Poor	Juvenile	Dead Or Hazardous/ Remove (0-5)	Damaging infrastructure, Self-sown and inappropriately located	Growing over fence.	Protected	Indigenous	3 (Low)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective			
108	Dead tree	Dead tree	1	12	18	2.0	12.6	1.6	3	2	Dead	Poor	Juvenile	Dead Or Hazardous/ Remove (0-5)		Small dead tree.	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective			
109	Casuarina glauca	Swamp Sheoak	1	16	20	2.0	12.6	1.7	8	4	Good	Fair	Semi-mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Included bark, Suppressed		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	

Tree no.	Botanical Name	Common Name	Trees in group	Diameter Total (cm)	DDB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARs Significance Rating	Retention Value	Encroachment Info TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required	
110	Casuarina glauca	Swamp Sheoak	1	29	40	3.5	38.0	2.3	12	5	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter), Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
111	Casuarina glauca	Swamp Sheoak	2	9	14	2.0	12.6	1.5	7	1	Fair	Good	Juvenile	Medium (15-40)	Deadwood minor (<3cm diameter), Dieback, Suppressed	Group includes small tree to south.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
112	Casuarina glauca	Swamp Sheoak	1	18	26	2.2	14.7	1.9	9	3	Good	Fair	Semi-mature	Medium (15-40)	Asymmetrical crown, Deadwood minor (<3cm diameter), Suppressed		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
113	Eucalyptus robusta	Swamp Mahogany	1	11	17	2.0	12.6	1.6	3	3	Fair	Poor	Juvenile	Short (5-15)	Deadwood minor (<3cm diameter), Decay, Suppressed, Wound(s)		Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
114	Corymbia maculata	Spotted Gum	1	27	34	3.2	33.0	2.1	11	7	Good	Good	Semi-mature	Long (>40)	Asymmetrical crown, Deadwood minor (<3cm diameter)	Crown biased to south.	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (7.51%), 800mm pier hole (1.5%) which enters the SRZ	Y	7.51	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
115	Casuarina glauca	Swamp Sheoak	1	16	24	2.0	12.6	1.8	10	2	Poor	Fair	Juvenile	Short (5-15)	Deadwood minor (<3cm diameter), Dieback		Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
116	Casuarina glauca	Swamp Sheoak	1	11	19	2.0	12.6	1.6	8	2	Good	Fair	Juvenile	Medium (15-40)	Suppressed, Wound(s)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
117	Casuarina glauca	Swamp Sheoak	1	29	35	3.5	38.0	2.1	11	7	Good	Fair	Mature	Medium (15-40)	Previous failure(s), Wound(s)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
118	Casuarina glauca	Swamp Sheoak	1	36	43	4.3	58.6	2.3	10	8	Good	Poor	Semi-mature	Short (5-15)	Co-dominant stems, Included bark, Weak attachments	Poorly formed union at 4m.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
119	Casuarina glauca	Swamp Sheoak	1	15	23	2.0	12.6	1.8	11	2	Good	Good	Juvenile	Long (>40)			Protected	Indigenous	2 (Medium)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
120	Casuarina glauca	Swamp Sheoak	1	13	21	2.0	12.6	1.7	8	2	Good	Good	Juvenile	Medium (15-40)	Suppressed		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
121	Casuarina glauca	Swamp Sheoak	1	21	28	2.5	20.0	1.9	11	4	Fair	Poor	Semi-mature	Short (5-15)	Asymmetrical crown, Previous failure(s), Root plate movement	Root plate has previously failed. Tree with uncorrected Kean to north.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	

Tree no.	Botanical Name	Common Name	Trees in group	Diameter Total (cm)	Diameter (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARs Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required
122	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	8	15	2.0	12.6	1.5	4	3	Fair	Fair	Juvenile	Medium (15-40)	Deadwood minor (<3cm diameter), Dieback	Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (77.58%), bulk earthworks (44.12%) which enters the SRZ	Y	77.58	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
123	<i>Melaleuca nesophila</i>	Showy Honey-Myrtle	1	24.7	56	3.0	27.6	2.6	6	7	Poor	Fair	Mature	Short (5-15)	Asymmetrical crown, Co-dominant stems, Deadwood moderate (3-10cm diameter), Dieback, Excessively thin crown density, Wound(s)	Protected	Native	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (1.76%), 800mm pier hole (0.14%)	N	1.76	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
124	<i>Casuarina glauca</i>	Swamp Sheoak	1	20	25	2.4	18.1	1.8	9	4	Good	Fair	Semi-mature	Medium (15-40)	Asymmetrical crown, Suppressed	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
125	<i>Casuarina glauca</i>	Swamp Sheoak	1	25	30	3.0	28.3	2.0	11	3	Fair	Good	Semi-mature	Short (5-15)	Deadwood minor (<3cm diameter), Dieback	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
126	<i>Eucalyptus botryoides</i>	Mahogany Gum	1	28.65	31	3.4	37.1	2.0	7	6	Fair	Good	Semi-mature	Short (5-15)	Asymmetrical crown, Co-dominant stems, Deadwood minor (<3cm diameter), Dieback, Epicormic shoots, Suppressed	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
127	<i>Casuarina glauca</i>	Swamp Sheoak	1	26.4	29	3.2	31.5	2.0	10	3	Fair	Fair	Semi-mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Decay, Epicormic shoots	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
128	<i>Casuarina glauca</i>	Swamp Sheoak	1	18	28	2.2	14.7	1.9	10	4	Good	Fair	Semi-mature	Medium (15-40)	Included bark, Weak attachments	Poorly formed union at 3m.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (2.98%) which enters the SRZ	Y	2.98	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
129	<i>Casuarina glauca</i>	Swamp Sheoak	1	10	16	2.0	12.6	1.5	6	2	Good	Good	Juvenile	Short (5-15)	Asymmetrical crown, Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
130	<i>Casuarina glauca</i>	Swamp Sheoak	1	23.26	35	2.8	24.5	2.1	9	1	Fair	Good	Semi-mature	Medium (15-40)	Asymmetrical crown, Deadwood minor (<3cm diameter), Epicormic shoots, Suppressed	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
131	<i>Eucalyptus botryoides</i>	Mahogany Gum	1	16	20	2.0	12.6	1.7	7	3	Fair	Fair	Semi-mature	Medium (15-40)	Deadwood minor (<3cm diameter), Dieback, Epicormic shoots, Suppressed	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
132	<i>Eucalyptus botryoides</i>	Mahogany Gum	1	22	28	2.6	21.9	1.9	8	6	Good	Fair	Semi-mature	Medium (15-40)	Asymmetrical crown, Deadwood moderate (3-10cm diameter), Epicormic shoots, Suppressed	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
133	<i>Casuarina glauca</i>	Swamp Sheoak	6	14.21	20	2.0	12.6	1.7	7	1	Good	Good	Juvenile	Short (5-15)	Damaging infrastructure, Inappropriate location	Group of 6 small trees beginning to cause damage to fence.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.

Tree no.	Botanical Name	Common Name	Trees in group	DIBH Total (cm)	DIBH (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STAR5 Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required
134	<i>Eucalyptus botryoides</i>	Mahogany Gum	1	20	21	2.4	18.1	1.7	8	4	Fair	Fair	Semi-mature	Short (5-15)	Asymmetrical crown, Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Suppressed	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
135	<i>Casuarina glauca</i>	Swamp Sheoak	1	26	37	3.1	30.6	2.2	10	6	Good	Good	Mature	Long (>40)	Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
136	<i>Casuarina glauca</i>	Swamp Sheoak	1	21.19	29	2.5	20.3	2.0	13	5	Good	Fair	Semi-mature	Long (>40)	Asymmetrical crown	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for 800mm pier hole (0.22%)	N	0.22	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
137	Dead tree	Dead tree	1	14	21	2.0	12.6	1.7	7	1	Dead	Poor	Juvenile	Dead Or Hazardous/ Remove (0-5)	Deadwood major (>10cm diameter), Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
138	<i>Eucalyptus robusta</i>	Swamp Mahogany	1	20	26	2.4	18.1	1.9	6	5	Good	Fair	Semi-mature	Medium (15-40)	Asymmetrical crown, Deadwood moderate (3-10cm diameter), Epicormic shoots, Suppressed	Tree of wayward form.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (37.72%), bulk earthworks (13.08%), 800mm pier hole (2.73%) which enters the SRZ	Y	37.72	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
139	Dead tree	Dead tree	1	22	36	2.6	21.9	2.2	11	4	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (37.63%), bulk earthworks (19.4%), 800mm pier hole (2.26%) which enters the SRZ	Y	37.63	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
140	<i>Casuarina glauca</i>	Swamp Sheoak	1	25	36	3.0	28.3	2.2	12	7	Good	Fair	Semi-mature	Medium (15-40)	Co-dominant stems	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (93.03%), bulk earthworks (82.16%), 800mm pier hole (0.6%) which enters the SRZ	Y	93.03	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
141	<i>Casuarina glauca</i>	Swamp Sheoak	1	35.36	50	4.2	56.6	2.5	10	7	Good	Fair	Mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Suppressed	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (59.19%), bulk earthworks (49.35%), 800mm pier hole (1.75%) which enters the SRZ	Y	59.19	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
142	<i>Casuarina glauca</i>	Swamp Sheoak	1	26	33	3.1	30.6	2.1	10	4	Fair	Fair	Mature	Short (5-15)	Deadwood moderate (3-10cm diameter), Dieback, Root scalping, Wound(s)	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (5.8%), bulk earthworks (0.53%)	N	5.8	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
143	<i>Casuarina glauca</i>	Swamp Sheoak	1	19	25	2.3	16.3	1.8	9	4	Good	Good	Semi-mature	Long (>40)		Protected	Indigenous	2 (Medium)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
144	Dead tree	Dead tree	1	13	16	2.0	12.6	1.5	7	3	Dead	Poor	Juvenile	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
145	<i>Eucalyptus botryoides</i>	Mahogany Gum	1	51	56	6.1	117.7	2.6	14	9	Good	Good	Mature	Long (>40)	Asymmetrical crown, Deadwood major (>10cm diameter), Epicormic shoots	Crown biased to north.	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for palisade fence (4.95%)	N	4.95	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
146	<i>Eucalyptus botryoides</i>	Mahogany Gum	1	16	23	2.0	12.6	1.8	7	2	Poor	Fair	Juvenile	Short (5-15)	Deadwood minor (<3cm diameter), Dieback, Excessively thin crown density, Suppressed	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
147	<i>Eucalyptus botryoides</i>	Mahogany Gum	1	28	29	3.4	35.5	2.0	7	6	Fair	Fair	Semi-mature	Short (5-15)	Asymmetrical crown, Deadwood major (>10cm diameter), Decay, Wound(s)	Large trunk wound limits ULE.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (35.67%), bulk earthworks (27.38%), 800mm pier hole (1.39%) which enters the SRZ	Y	35.67	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			

Tree no.	Botanical Name	Common Name	Trees in group	D8H Total (cm)	D8B (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SZZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARBS Significance Rating	Retention Value	Encroachment into TPZ/SZZ	Within SZZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required	
148	Casuarina glauca	Swamp Sheoak	1	23	33	2.8	23.9	2.1	11	5	Good	Good	Semi-mature	Long (>40)		Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
149	Eucalyptus botryoides	Mahogany Gum	1	40	39	4.8	72.4	2.2	11	8	Good	Good	Mature	Long (>40)	Asymmetrical crown, Co-dominant stems, Deadwood major (>10cm diameter), Epicormic shoots, Suppressed	Crown biased to north.	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for palisade fence (4.84%)	N	4.84	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
150	Casuarina glauca	Swamp Sheoak	1	35	47	4.2	55.4	2.4	12	6	Good	Good	Mature	Long (>40)		Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for palisade fence (0.07%)	N	0.07	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
151	Casuarina glauca	Swamp Sheoak	1	9	12	2.0	12.6	1.5	6	2	Good	Good	Juvenile	Medium (15-40)	Suppressed	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
152	Casuarina glauca	Swamp Sheoak	1	16	24	2.0	12.6	1.8	7	2	Good	Fair	Juvenile	Dead Or Hazardous/ Remove (0-5)	Root plate movement	Tree has partially corrected from previous root plate failure.	Protected	Indigenous	3 (Low)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - Irrespective				
153	Dead tree	Dead tree	1	12.04	17	2.0	12.6	1.6	3	2	Dead	Poor	Juvenile	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - Irrespective					
154	Casuarina glauca	Swamp Sheoak	1	11	14	2.0	12.6	1.5	6	1	Good	Good	Juvenile	Medium (15-40)	Previous failure(s), Wound(s)	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
155	Casuarina glauca	Swamp Sheoak	1	13.89	18	2.0	12.6	1.6	6	4	Good	Fair	Juvenile	Medium (15-40)	Asymmetrical crown, Suppressed	Crown skewed to south west.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
156	Casuarina glauca	Swamp Sheoak	1	28	36	3.4	35.5	2.2	11	7	Good	Good	Mature	Long (>40)		Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
157	Casuarina glauca	Swamp Sheoak	1	22	35	2.6	21.9	2.1	12	6	Good	Good	Mature	Long (>40)		Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
158	Casuarina glauca	Swamp Sheoak	1	23	29	2.8	23.9	2.0	8	6	Good	Poor	Semi-mature	Short (5-15)	Asymmetrical crown, Co-dominant stems, Previous failure(s), Suppressed, Weak attachments, Wound(s)	Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
159	Casuarina glauca	Swamp Sheoak	1	25	39	3.0	28.3	2.2	11	6	Good	Good	Mature	Long (>40)	Deadwood minor (<3cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		

Tree no.	Botanical Name	Common Name	Trees in group	DDBH total (cm)	DDBH (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULF (Yrs.)	Observations	Comments	DCP Status	Origin	STAR5 Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required
160	Casuarina glauca	Swamp Sheoak	1	8	12	2.0	12.6	1.5	4	3	Good	Poor	Juvenile	Short (5-15)	Asymmetrical crown, Suppressed	Heavily suppressed tree.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
161	Casuarina glauca	Swamp Sheoak	40	7	9	2.0	12.6	1.5	5	1	Good	Good	Juvenile	Medium (15-40)	Group of self-sown suckers	Group of approximately 40 self sown suckers.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for 800mm pier hole (0.54%)	N	0.54	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
162	Casuarina glauca	Swamp Sheoak	1	17	22	2.0	13.1	1.8	6	5	Good	Fair	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Asymmetrical crown, Damaging infrastructure, Self-sown and inappropriately located, Suppressed	Growing against fence.	Protected	Indigenous	3 (Low)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective			
163	Casuarina glauca	Swamp Sheoak	1	42	52	5.0	79.8	2.5	10	7	Good	Good	Mature	Long (>40)	Deadwood minor (<3cm diameter)		Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for palisade fence (0.35%)	N	0.35	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
164	Casuarina glauca	Swamp Sheoak	1	13	17	2.0	12.6	1.6	4	2	Fair	Good	Juvenile	Short (5-15)	Deadwood minor (<3cm diameter), Dieback, Suppressed		Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
165	Eucalyptus robusta	Swamp Mahogany	1	11	24	2.0	12.6	1.8	5	2	Poor	Fair	Juvenile	Dead Or Hazardous/ Remove (0-5)	Cavity, Deadwood moderate (3-10cm diameter), Decay, Epicormic shoots, Significant fault - decay, Wound(s)	Decay in lower trunk.	Protected	Indigenous	3 (Low)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective			
166	Casuarina glauca	Swamp Sheoak	1	27	36	3.2	33.0	2.2	12	5	Good	Fair	Mature	Long (>40)	Included bark		Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
167	Casuarina glauca	Swamp Sheoak	1	26	30	3.1	30.6	2.0	9	6	Good	Good	Semi-mature	Medium (15-40)	Asymmetrical crown, Suppressed		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
168	Dead tree	Dead tree	1	20	24	2.4	18.1	1.8	4	4	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree		Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective			
169	Casuarina glauca	Swamp Sheoak	1	27.8	46	3.3	35.0	2.4	9	6	Good	Fair	Semi-mature	Medium (15-40)	Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for access foot ramp (7.74%) which enters the SRZ	Y	7.74	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
170	Jacaranda mimosifolia	Jacaranda	1	13.6	28	2.0	12.6	1.9	4	3	Good	Fair	Juvenile	Short (5-15)	Co-dominant stems, Constrained growing environment, Growing from cut stump, Included bark		Protected	Exotic	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
171	Melaleuca styphelioides	Prickly-leave d Paperbark	1	9.9	14	2.0	12.6	1.5	3	2	Good	Good	Juvenile	Medium (15-40)	Co-dominant stems		Exempt	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
172	Eucalyptus botryoides	Mahogany Gum	1	37	47	4.4	61.9	2.4	15	10	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter), Epicormic shoots, Mechanical damage, Wound(s)		Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
173	Leptospermum petersonii	Lemon-scent ed Tea Tree	1	19.1	25	2.3	16.5	1.8	5	4	Fair	Fair	Semi-mature	Short (5-15)	Co-dominant stems, Constrained growing environment, Crossing/rubbing branches, Deadwood minor (<3cm diameter), Epicormic shoots, Suppressed, Weak attachments		Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
174	Melaleuca linariifolia	Snow-in-su mmer	1	14	23	2.0	12.6	1.8	5	4	Fair	Fair	Semi-mature	Short (5-15)	Deadwood minor (<3cm diameter), Dieback, Excessively thin crown density		Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			

Tree no.	Botanical Name	Common Name	Trees in group	Diameter Total (cm)	Diameter (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULF (Yrs.)	Observations	Comments	DCP Status	Origin	STARs Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required
175	Melaleuca linariifolia	Snow-in-sommer	1	10	15	2.0	12.6	1.5	4	2	Very Poor	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Excessively thin crown density	Protected	Indigenous	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
176	Melaleuca linariifolia	Snow-in-sommer	1	20.71	24	2.5	19.4	1.8	5	4	Fair	Fair	Semi-mature	Short (5-15)	Deadwood minor (<3cm diameter), Dieback, Excessively thin crown density	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.		Remove - project impacts			
177	Melaleuca linariifolia	Snow-in-sommer	1	20.62	23	2.5	19.2	1.8	5	4	Fair	Fair	Semi-mature	Short (5-15)	Deadwood minor (<3cm diameter), Dieback, Excessively thin crown density	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.		Remove - project impacts			
178	Acacia saligna	Golden Wreath Wattle	1	20	30	2.4	18.1	2.0	8	5	Good	Good	Mature	Medium (15-40)	Deadwood minor (<3cm diameter)	Protected	Native	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
179	Callistemon viminalis	Weeping Bottlebrush	1	8.6	32	2.0	12.6	2.1	4	3	Good	Good	Juvenile	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Deadwood minor (<3cm diameter), Growing from cut stump	Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
180	Melaleuca linariifolia	Snow-in-sommer	1	13	20	2.0	12.6	1.7	4	3	Very Poor	Poor	Juvenile	Dead Or Hazardous/ Remove (0-5)	Deadwood major (>10cm diameter), Dieback	Protected	Indigenous	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
181	Melaleuca linariifolia	Snow-in-sommer	1	29.68	28	3.6	39.9	1.9	5	5	Fair	Fair	Semi-mature	Short (5-15)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Epicormic shoots	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.		Remove - project impacts			
182	Melaleuca linariifolia	Snow-in-sommer	1	15.62	22	2.0	12.6	1.8	4	3	Very Poor	Poor	Juvenile	Dead Or Hazardous/ Remove (0-5)	Deadwood major (>10cm diameter), Dieback	Protected	Indigenous	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.		Remove - irrespective			
183	Melaleuca linariifolia	Snow-in-sommer	1	19.85	24	2.4	17.8	1.8	4	3	Fair	Fair	Semi-mature	Short (5-15)	Deadwood minor (<3cm diameter), Dieback	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
184	Melaleuca linariifolia	Snow-in-sommer	1	16	23	2.0	12.6	1.8	5	3	Fair	Fair	Semi-mature	Short (5-15)	Deadwood minor (<3cm diameter), Dieback	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
185	Melaleuca linariifolia	Snow-in-sommer	1	12.81	23	2.0	12.6	1.8	5	5	Poor	Poor	Semi-mature	Short (5-15)	Deadwood minor (<3cm diameter), Dieback, Epicormic shoots, Excessively thin crown density	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
186	Eucalyptus robusta	Swamp Mahogany	1	21	25	2.5	20.0	1.8	7	5	Good	Good	Juvenile	Long (>40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Wood borer, Wound(s)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
187	Melaleuca linariifolia	Snow-in-sommer	1	15.62	26	2.0	12.6	1.9	5	4	Poor	Poor	Semi-mature	Short (5-15)	Co-dominant stems, Dieback, Suppressed	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
188	Corymbia maculata	Spotted Gum	1	60	70	7.2	162.9	2.8	20	13	Good	Good	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Resin/kino/sap flow, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
189	Banksia integrifolia	Coast Banksia	1	14	20	2.0	12.6	1.7	5	3	Good	Good	Juvenile	Short (5-15)	Constrained growing environment, Suppressed	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
190	Banksia integrifolia	Coast Banksia	1	47	50	5.6	99.9	2.5	10	7	Good	Good	Mature	Short (5-15)	Constrained growing environment, Damaging infrastructure, Deadwood moderate (3-10cm diameter), Suppressed	Tree is interfering with lamppost.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
191	Corymbia maculata	Spotted Gum	1	39	45	4.7	68.8	2.4	17	10	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter), Epicormic shoots, Suppressed, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
192	Ficus rubiginosa	Port Jackson Fig	1	36	38	4.3	58.6	2.2	9	6	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter), Root scalping, Suppressed	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
193	Eucalyptus botryoides	Mahogany Gum	1	19	21	2.3	16.3	1.7	7	6	Fair	Good	Juvenile	Medium (15-40)	Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
194	Callistemon viminalis	Weeping Bottlebrush	1	15	15	2.0	12.6	1.5	6	4	Good	Good	Juvenile	Long (>40)	Co-dominant stems	Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				

Tree no.	Botanical Name	Common Name	Trees in group	DWH Total (cm)	DWB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STAR Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required
195	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	11.4	12	2.0	12.6	1.5	4	6	Good	Good	Juvenile	Long (>40)	Co-dominant stems	Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
196	<i>Melaleuca linariifolia</i>	Snow-in-sommer	1	13.6	19	2.0	12.6	1.6	3	4	Fair	Fair	Juvenile	Medium (15-40)	Co-dominant stems, Dieback	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
197	<i>Melaleuca linariifolia</i>	Snow-in-sommer	1	14	21	2.0	12.6	1.7	5	4	Fair	Fair	Semi-mature	Short (5-15)	Dieback, Suppressed	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
198	<i>Casuarina cunningghamia na</i>	River Sheoak	1	41	52	4.9	76.0	2.5	13	8	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter)	Protected	Native	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
199	<i>Casuarina cunningghamia na</i>	River Sheoak	1	33	46	4.0	49.3	2.4	19	7	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter), Wound(s)	Protected	Native	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
200	<i>Casuarina cunningghamia na</i>	River Sheoak	1	33	42	4.0	49.3	2.3	19	8	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter), Wound(s)	Protected	Native	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
201	<i>Casuarina cunningghamia na</i>	River Sheoak	1	28	36	3.4	35.5	2.2	11	4	Good	Good	Semi-mature	Medium (15-40)	Constrained growing environment, Deadwood minor (<3cm diameter), Suppressed	Protected	Native	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
202	<i>Casuarina cunningghamia na</i>	River Sheoak	1	42	53	5.0	79.8	2.5	20	10	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter)	Protected	Native	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
203	<i>Eucalyptus botryoides</i>	Mahogany Gum	1	56	57	6.7	141.9	2.6	20	11	Good	Good	Mature	Long (>40)	Constrained growing environment, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
204	<i>Corymbia maculata</i>	Spotted Gum	1	25	35	3.0	28.3	2.1	12	7	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
205	<i>Corymbia maculata</i>	Spotted Gum	1	36	49	4.3	58.6	2.5	19	13	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
206	<i>Acacia saligna</i>	Golden Wreath Wattle	1	10	15	2.0	12.6	1.5	6	5	Good	Good	Semi-mature	Short (5-15)	Deadwood minor (<3cm diameter), Suppressed	Protected	Native	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
207	<i>Melaleuca styphelioides</i>	Prickly-leave d Paperbark	1	16	29	2.0	12.6	2.0	5	3	Good	Good	Semi-mature	Medium (15-40)	Co-dominant stems, Constrained growing environment, Deadwood minor (<3cm diameter), Included bark, Suppressed	Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
208	<i>Acacia saligna</i>	Golden Wreath Wattle	1	15.62	25	2.0	12.6	1.8	5	5	Good	Poor	Semi-mature	Short (5-15)	Co-dominant stems, Crossing/rubbing branches, Deadwood minor (<3cm diameter), Included bark, Suppressed, Wound(s)	Protected	Native	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
209	<i>Corymbia maculata</i>	Spotted Gum	1	37.01	50	4.4	62.0	2.5	15	7	Fair	Good	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Dieback, Root scalping	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
210	<i>Acacia saligna</i>	Golden Wreath Wattle	1	15	21	2.0	12.6	1.7	6	5	Good	Good	Mature	Short (5-15)	Deadwood minor (<3cm diameter), Suppressed	Protected	Native	2 (Medium)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
211	<i>Melaleuca styphelioides</i>	Prickly-leave d Paperbark	1	28	35	3.4	35.5	2.1	6	6	Good	Good	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter), Epicormic shoots, Included bark, Root scalping	Protected	Native	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
212	<i>Corymbia maculata</i>	Spotted Gum	1	24	26	2.9	26.1	1.9	15	5	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
213	<i>Melaleuca armillaris</i>	Bracelet Honey-myrtle	1	19.42	35	2.3	17.1	2.1	6	8	Poor	Poor	Mature	Short (5-15)	Co-dominant stems, Deadwood minor (<3cm diameter), Decay, Dieback, Suppressed	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				

Tree no.	Botanical Name	Common Name	Trees in group	D9H Total (cm)	D8H (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STAR5 Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required
214	Corymbia maculata	Spotted Gum	1	41	54	4.9	76.0	2.6	16	11	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter), Dieback	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
215	Ficus rubiginosa	Port Jackson Fig	1	46.01	54	5.5	95.8	2.6	9	13	Fair	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Dieback, Excessively thin crown density, Included bark, Root scaling, Wound(s)	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
216	Melaleuca linariifolia	Snow-in-sommer	1	14.21	23	2.0	12.6	1.8	5	5	Good	Good	Semi-mature	Medium (15-40)	Deadwood minor (<3cm diameter)	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
217	Pittosporum undulatum	Sweet Pittosporum	1	12.21	25	2.0	12.6	1.8	5	6	Poor	Good	Semi-mature	Short (5-15)	Dieback, Excessively thin crown density	Exempt	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
218	Corymbia maculata	Spotted Gum	1	40	42	4.8	72.4	2.3	18	10	Good	Good	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter), Epicormic shoots	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
219	Buckinghamia celstissima	Ivory Curl	1	10	13	2.0	12.6	1.5	5	5	Good	Good	Semi-mature	Long (>40)	Co-dominant stems	Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
220	Eucalyptus saligna X botryoides	Hybrid Sydney Blue Gum	1	42	50	5.0	79.8	2.5	18	6	Fair	Fair	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Excessively thin crown density, Wood borer, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
221	Eucalyptus saligna X botryoides	Hybrid Sydney Blue Gum	1	58	60	7.0	152.2	2.7	20	8	Fair	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Excessively thin crown density, Included bark, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
222	Eucalyptus saligna X botryoides	Hybrid Sydney Blue Gum	1	46	51	5.5	95.7	2.5	18	8	Fair	Fair	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Excessively thin crown density, Wood borer, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
223	Schinus areira	Peppercorn Tree	1	44	50	5.3	87.6	2.5	8	7	Fair	Poor	Mature	Dead Or Hazardous/ Remove (0-5)	Deadwood minor (<3cm diameter), Decay, Dieback, Epicormic shoots, Root damage - major/visible severance, Root scaling, Wound(s)	Extensive decay to large, exposed tension root.	Exempt	Exotic	3 (Low)	Priority for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective			
224	Elaeocarpus reticulatus	Blueberry Ash	1	13.75	14	2.0	12.6	1.5	4	6	Good	Fair	Semi-mature	Medium (15-40)	Mechanical damage, Suppressed, Wound(s)	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				

Tree no.	Botanical Name	Common Name	Trees in group	Diameter (cm)	Diameter (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARBS Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required
225	<i>Ficus rubiginosa</i>	Port Jackson Fig	1	52.15	47	6.3	123.0	2.4	7	14	Fair	Fair	Semi-mature	Medium (15-40)	Cavity, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Decay, Dieback, Epicormic shoots, Excessively thin crown density, Over-extended branch(es), Root damage - major/visible severance, Root scalping, Wood borer, Wound(s)	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
226	<i>Banksia integrifolia</i>	Coast Banksia	1	41.23	43	4.9	76.9	2.3	7	5	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter), Root scalping	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
227	<i>Ficus rubiginosa</i>	Port Jackson Fig	1	42.19	40	5.1	80.5	2.3	7	12	Fair	Good	Semi-mature	Medium (15-40)	Cavity, Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Excessively thin crown density, Root damage - minor, Root scalping, Suppressed, Wound(s)	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
228	<i>Eucalyptus botryoides</i>	Mahogany Gum	1	44	52	5.3	87.6	2.5	18	14	Fair	Good	Semi-mature	Medium (15-40)	Deadwood major (>10cm diameter), Dieback, Epicormic shoots	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
229	<i>Olea europaea subsp. cuspidata</i>	African Olive	1	22.49	36	2.7	22.9	2.2	6	7	Good	Good	Mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Environmental/Declared Weed	Exempt	Exotic	4 (Environmental Pest / Noxious Weed)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
230	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	14.14	19	2.0	12.6	1.6	4	5	Good	Good	Semi-mature	Medium (15-40)	Co-dominant stems, Suppressed	Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
231	<i>Eucalyptus botryoides</i>	Mahogany Gum	1	60	60	7.2	162.9	2.7	17	10	Fair	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Epicormic shoots, Included bark, Wood borer, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
232	Group of trees	Group of trees	3	7	9	2.0	12.6	1.5	4	3	Fair	Fair	Juvenile	Short (5-15)	Constrained growing environment, Suppressed	Group includes Lilly Pilly and Pittosporum.	Protected	Native	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
233	<i>Eucalyptus botryoides</i>	Mahogany Gum	1	50.01	64	6.0	113.1	2.7	17	10	Fair	Fair	Mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Damaging infrastructure, Deadwood moderate (3-10cm diameter), Epicormic shoots, Included bark, Over-extended branch(es), Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
234	<i>Melaleuca bracteata</i>	Black Tea Tree	1	10.49	20	2.0	12.6	1.7	4	3	Good	Good	Juvenile	Long (>40)	Co-dominant stems	Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
235	<i>Schinus areira</i>	Peppercorn Tree	1	42	69	5.0	79.8	2.8	12	8	Fair	Fair	Semi-mature	Medium (15-40)	Cavity, Deadwood minor (<3cm diameter), Decay, Dieback, Epicormic shoots, Wound(s)	Exempt	Exotic	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
236	<i>Schinus areira</i>	Peppercorn Tree	1	18.87	40	2.3	16.1	2.3	6	7	Good	Good	Juvenile	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter)	Exempt	Exotic	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
237	<i>Casuarina cunninghamiana</i>	River Sheoak	1	46	54	5.5	95.7	2.6	20	8	Good	Good	Mature	Long (>40)	Deadwood minor (<3cm diameter), Wound(s)	Protected	Native	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
238	<i>Casuarina cunninghamiana</i>	River Sheoak	1	45	57	5.4	91.6	2.6	20	8	Good	Good	Mature	Long (>40)	Deadwood minor (<3cm diameter), Wound(s)	Protected	Native	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
239	<i>Corymbia maculata</i>	Spotted Gum	1	21	29	2.5	20.0	2.0	16	6	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
240	<i>Casuarina glauca</i>	Swamp Sheoak	1	24	34	2.9	26.1	2.1	12	4	Fair	Good	Semi-mature	Short (5-15)	Deadwood moderate (3-10cm diameter), Dieback, Excessively thin crown density, Suppressed	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
241	<i>Eucalyptus microcorys</i>	Tallowood	1	29	36	3.5	38.0	2.2	13	7	Good	Good	Semi-mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Suppressed	Protected	Native	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				

	Tree no.	Botanical Name	Common Name	Trees in group	DBH Total (cm)	DBH (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs)	Observations	Comments	DCP Status	Origin	STARBS Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods Generic Plus	Tree Protection Measures	Pruning Req.
	242	Casuarina cunninghamiana	River Sheoak	1	43	54	5.2	83.6	2.6	19	9	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter), Wound(s)	Protected	Native	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	243	Lophostemon confertus	Brushbox	1	12.21	22	2.0	12.6	1.8	4	5	Good	Fair	Juvenile	Medium (15-40)	Co-dominant stems, Constrained growing environment, Suppressed	Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	244	Casuarina cunninghamiana	River Sheoak	1	35	52	4.2	55.4	2.5	19	9	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter), Wound(s)	Protected	Native	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	245	Casuarina cunninghamiana	River Sheoak	1	20	27	2.4	18.1	1.9	15	6	Fair	Good	Semi-mature	Medium (15-40)	Constrained growing environment, Deadwood moderate (3-10cm diameter), Dieback, Suppressed	Protected	Native	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	246	Casuarina cunninghamiana	River Sheoak	1	30	39	3.6	40.7	2.2	19	6	Fair	Good	Semi-mature	Medium (15-40)	Constrained growing environment, Deadwood major (>10cm diameter), Dieback, Suppressed	Protected	Native	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	247	Celtis sinensis	Chinese Hackberry	1	14	18	2.0	12.6	1.6	5	4	Good	Good	Juvenile	Short (5-15)	Environmental/Declared Weed	Exempt	Exotic	4 (Environmental Pest / Noxious Weed)	Priority for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
	248	Callistemon viminalis	Weeping Bottlebrush	1	20.42	36	2.5	18.9	2.2	7	5	Good	Good	Mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter), Included bark, Suppressed	Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	249	Eucalyptus robusta	Swamp Mahogany	1	40	46	4.8	72.4	2.4	13	8	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	250	Leptospermum petersonii	Lemon-scented Tea Tree	1	10	11	2.0	12.6	1.5	7	2	Fair	Poor	Semi-mature	Short (5-15)	Deadwood minor (<3cm diameter), Weak attachments	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	251	Murraya paniculata	Mock Orange	1	15.78	29	2.0	12.6	2.0	5	6	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter), Epicormic shoots, Included bark	Exempt	Exotic	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	252	Eucalyptus botryoides	Mahogany Gum	1	33	43	4.0	49.3	2.3	15	8	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter), Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	253	Casuarina glauca	Swamp Sheoak	1	44	51	5.3	87.6	2.5	14	6	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter), Mechanical damage, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	254	Casuarina glauca	Swamp Sheoak	1	28	41	3.4	35.5	2.3	12	5	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	255	Casuarina glauca	Swamp Sheoak	1	30	32	3.6	40.7	2.1	11	5	Poor	Fair	Semi-mature	Dead Or Hazardous/Remove (0-5)	Deadwood minor (<3cm diameter), Dieback, Excessively thin crown density	Protected	Indigenous	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
	256	Casuarina glauca	Swamp Sheoak	1	32	44	3.8	46.3	2.3	12	6	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter), Mechanical damage, Wound(s)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	257	Eucalyptus botryoides	Mahogany Gum	1	27	29	3.2	33.0	2.0	9	4	Fair	Fair	Semi-mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Epicormic shoots, Previous failure(s), Suppressed, Wood borer, Wound(s)	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	258	Dead tree	Dead tree	1	11	17	2.0	12.6	1.6	5	2	Dead	Poor	Juvenile	Dead Or Hazardous/Remove (0-5)		Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
	259	Casuarina glauca	Swamp Sheoak	1	30	37	3.6	40.7	2.2	15	8	Poor	Good	Semi-mature	Short (5-15)	Deadwood minor (<3cm diameter), Dieback, Excessively thin crown density, Wound(s)	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	260	Casuarina glauca	Swamp Sheoak	1	27.29	39	3.3	33.7	2.2	16	6	Good	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter), Included bark	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	261	Casuarina glauca	Swamp Sheoak	1	27	33	3.2	33.0	2.1	15	7	Good	Fair	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter), Over-extended branch(es), Wound(s)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				

Tree no.	Botanical Name	Common Name	Trees in group	DDBH Total (cm)	DDBH (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARBS Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required
262	Casuarina glauca	Swamp Sheoak	1	41	53	4.9	76.0	2.5	17	8	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter), Epicormic shoots, Included bark, Wound(s)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
263	Casuarina glauca	Swamp Sheoak	1	37	45	4.4	61.9	2.4	15	5	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter), Included bark	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
264	Casuarina glauca	Swamp Sheoak	1	38	44	4.6	65.3	2.3	15	7	Good	Good	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter), Included bark, Wound(s)	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
265	Casuarina glauca	Swamp Sheoak	1	31	43	3.7	43.5	2.3	15	3	Good	Good	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter), Included bark, Suppressed	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
266	Casuarina glauca	Swamp Sheoak	1	27	33	3.2	33.0	2.1	14	3	Good	Good	Semi-mature	Medium (15-40)	Deadwood minor (<3cm diameter), Included bark	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
267	Leptospermum petersonii	Lemon-scented Tea Tree	1	12	22	2.0	12.6	1.8	8	4	Fair	Fair	Mature	Short (5-15)	Co-dominant stems, Dieback, Epicormic shoots, Included bark, Weak attachments, Wound(s)	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
268	Leptospermum petersonii	Lemon-scented Tea Tree	1	17.92	31	2.2	14.5	2.0	7	5	Good	Fair	Mature	Short (5-15)	Co-dominant stems, Deadwood minor (<3cm diameter), Included bark, Weak attachments	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
269	Corymbia maculata	Spotted Gum	1	39	42	4.7	68.8	2.3	15	9	Good	Good	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter), Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
270	Corymbia maculata	Spotted Gum	1	32	35	3.8	46.3	2.1	11	9	Good	Fair	Semi-mature	Short (5-15)	Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Suppressed, Wound(s)	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
271	Corymbia maculata	Spotted Gum	1	29	33	3.5	38.0	2.1	12	8	Fair	Fair	Semi-mature	Medium (15-40)	Deadwood major (>10cm diameter), Dieback, Epicormic shoots, Suppressed	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
272	Eucalyptus robusta	Swamp Mahogany	1	18	32	2.2	14.7	2.1	10	5	Good	Good	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter), Mechanical damage, Wound(s)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
273	Eucalyptus robusta	Swamp Mahogany	1	29	31	3.5	38.0	2.0	11	5	Good	Good	Semi-mature	Medium (15-40)	Co-dominant stems, Constrained growing environment, Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
274	Eucalyptus botryoides	Mahogany Gum	1	46	50	5.5	95.7	2.5	17	12	Good	Good	Mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Epicormic shoots, Root damage - major/visible severance, Wound(s)	Pit excavated within SRZ of tree, root severance noted.	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (84.97%), bulk earthworks (70.59%) which enters the SRZ	Y	84.97	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
275	Corymbia maculata	Spotted Gum	1	20	27	2.4	18.1	1.9	9	5	Good	Fair	Juvenile	Medium (15-40)	Constrained growing environment, Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (28.3%), bulk earthworks (10.95%) which enters the SRZ	Y	28.3	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
276	Eucalyptus robusta	Swamp Mahogany	1	41	39	4.9	76.0	2.2	14	10	Fair	Fair	Semi-mature	Medium (15-40)	Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Weak attachments, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (94.16%), bulk earthworks (83.45%) which enters the SRZ	Y	94.16	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
277	Dead tree	Dead tree	1	40	48	4.8	72.4	2.4	14	5	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (99.12%), bulk earthworks (90.92%) which enters the SRZ	Y	99.12	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
278	Dead tree	Dead tree	1	29	40	3.5	38.0	2.3	10	3	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Decay, Fungal fruiting body(s), Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
279	Eucalyptus botryoides	Mahogany Gum	1	23	26	2.8	23.9	1.9	10	6	Fair	Fair	Semi-mature	Short (5-15)	Deadwood moderate (3-10cm diameter), Dieback, Suppressed	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
280	Eucalyptus botryoides	Mahogany Gum	1	22	27	2.6	21.9	1.9	12	4	Good	Good	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter), Included bark, Wound(s)	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				

	Tree no.	Botanical Name	Common Name	Trees in group	D8H Total (cm)	D8H (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STAR5 Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required
	281	Dead tree	Dead tree	1	12	11	2.0	12.6	1.5	5	1	Dead	Has failed	Juvenile	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
	282	Eucalyptus botryoides	Mahogany Gum	1	14	22	2.0	12.6	1.8	7	6	Good	Good	Juvenile	Medium (15-40)	Constrained growing environment, Deadwood minor (<3cm diameter), Mechanical damage	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (91.5%), bulk earthworks (72.08%) which enters the SRZ	Y	91.5	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	283	Casuarina glauca	Swamp Sheoak	1	30	38	3.6	40.7	2.2	14	7	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	284	Casuarina glauca	Swamp Sheoak	1	28	37	3.4	35.5	2.2	12	4	Fair	Fair	Semi-mature	Short (5-15)	Climbing vine, Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (94.73%), bulk earthworks (82.57%), 800mm pier hole (1.39%) which enters the SRZ	Y	94.73	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	285	Casuarina glauca	Swamp Sheoak	1	26	33	3.1	30.6	2.1	10	4	Fair	Good	Semi-mature	Medium (15-40)	Climbing vine, Co-dominant stems, Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (93.95%), bulk earthworks (80.39%), 800mm pier hole (1.62%) which enters the SRZ	Y	93.95	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	286	Casuarina glauca	Swamp Sheoak	1	13	16	2.0	12.6	1.5	8	1	Fair	Poor	Juvenile	Short (5-15)	Climbing vine, Suppressed	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	287	Casuarina glauca	Swamp Sheoak	1	26	32	3.1	30.6	2.1	13	3	Fair	Fair	Semi-mature	Medium (15-40)	Climbing vine, Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (56.3%), bulk earthworks (38.45%), 800mm pier hole (1.62%) which enters the SRZ	Y	56.3	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	288	Casuarina glauca	Swamp Sheoak	1	46.4	46	5.6	97.4	2.4	17	9	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (96.88%), 800mm pier hole (0.26%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	289	Casuarina glauca	Swamp Sheoak	1	35	44	4.2	55.4	2.3	14	7	Good	Good	Mature	Long (>40)	Climbing vine, Deadwood minor (<3cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	290	Casuarina glauca	Swamp Sheoak	1	39	45	4.7	68.8	2.4	13	6	Good	Good	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter), Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (43.04%), bulk earthworks (32.1%), 800mm pier hole (0.72%) which enters the SRZ	Y	43.04	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	291	Casuarina glauca	Swamp Sheoak	1	17	23	2.0	13.1	1.8	12	2	Good	Good	Semi-mature	Medium (15-40)	Climbing vine, Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (9.42%), 800mm pier hole (3.78%) which enters the SRZ	Y	9.42	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	292	Casuarina glauca	Swamp Sheoak	1	18	31	2.2	14.7	2.0	14	3	Good	Good	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter), Suppressed	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	293	Casuarina glauca	Swamp Sheoak	1	19	29	2.3	16.3	2.0	14	4	Good	Good	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter), Suppressed	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	294	Casuarina glauca	Swamp Sheoak	1	34	41	4.1	52.3	2.3	15	5	Good	Good	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter), Suppressed	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	295	Casuarina glauca	Swamp Sheoak	1	40	53	4.8	72.4	2.5	17	7	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (88.19%), bulk earthworks (100.0%), 800mm pier hole (0.68%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	296	Casuarina glauca	Swamp Sheoak	1	29	34	3.5	38.0	2.1	12	5	Good	Good	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter), Suppressed	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (67.76%), bulk earthworks (73.47%), 800mm pier hole (1.3%) which enters the SRZ	Y	73.47	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	297	Casuarina glauca	Swamp Sheoak	1	31	44	3.7	43.5	2.3	16	6	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Previous failure(s), Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (42.21%), bulk earthworks (82.49%), 800mm pier hole (1.14%) which enters the SRZ	Y	82.49	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
	298	Casuarina glauca	Swamp Sheoak	1	29	35	3.5	38.0	2.1	15	6	Dead	Poor	Mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Exempt	Indigenous	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (13.27%), bulk earthworks (21.65%), 800mm pier hole (1.26%) which enters the SRZ	Y	21.65	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
	299	Casuarina glauca	Swamp Sheoak	1	30	34	3.6	40.7	2.1	14	5	Good	Good	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for bulk earthworks (38.82%) which enters the SRZ	Y	38.82	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				

Tree no.	Botanical Name	Common Name	Trees in group	Diameter Total (cm)	Diameter (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARBS Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required
300	Casuarina glauca	Swamp Sheoak	1	34	41	4.1	52.3	2.3	16	8	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Included bark	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (67.23%), bulk earthworks (100.0%), 800mm pier hole (0.95%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
301	Dead tree	Dead tree	1	39	44	4.7	68.8	2.3	15	5	Dead	Poor	Mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
302	Dead tree	Dead tree	1	13	20	2.0	12.6	1.7	10	4	Dead	Poor	Mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
303	Corymbia citriodora	Lemon-scent ed Gum	1	33	39	4.0	49.3	2.2	14	7	Good	Fair	Semi-mature	Medium (15-40)	Deadwood minor (<3cm diameter), Suppressed	Protected	Native	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
304	Casuarina glauca	Swamp Sheoak	1	38	42	4.6	65.3	2.3	12	5	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (99.53%), bulk earthworks (100.0%), 800mm pier hole (0.17%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
305	Dead tree	Dead tree	1	32	39	3.8	46.3	2.2	13	2	Dead	Poor	Mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (92.65%), bulk earthworks (100.0%), 800mm pier hole (0.77%) which enters the SRZ	Y	100	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
306	Casuarina glauca	Swamp Sheoak	1	10	13	2.0	12.6	1.5	8	1	Good	Good	Juvenile	Long (>40)		Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
307	Corymbia citriodora	Lemon-scent ed Gum	1	33	34	4.0	49.3	2.1	12	10	Good	Poor	Semi-mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Over-extended branch(es), Wound(s)	Protected	Native	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
308	Corymbia citriodora	Lemon-scent ed Gum	1	39	40	4.7	68.8	2.3	13	9	Good	Fair	Semi-mature	Medium (15-40)	Suppressed	Protected	Native	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (85.85%), bulk earthworks (100.0%), 800mm pier hole (0.72%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
309	Corymbia citriodora	Lemon-scent ed Gum	1	12	14	2.0	12.6	1.5	6	4	Good	Fair	Juvenile	Medium (15-40)	Constrained growing environment, Deadwood minor (<3cm diameter), Suppressed	Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (65.33%), bulk earthworks (100.0%), 800mm pier hole (0.7%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
310	Corymbia citriodora	Lemon-scent ed Gum	1	19	26	2.3	16.3	1.9	9	5	Good	Fair	Juvenile	Medium (15-40)	Constrained growing environment, Deadwood minor (<3cm diameter), Suppressed	Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (31.74%), bulk earthworks (100.0%), 800mm pier hole (3.03%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
311	Casuarina glauca	Swamp Sheoak	1	38	43	4.6	65.3	2.3	20	8	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (38.85%), bulk earthworks (95.88%), 800mm pier hole (1.51%) which enters the SRZ	Y	95.88	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
312	Corymbia citriodora	Lemon-scent ed Gum	1	19	23	2.3	16.3	1.8	9	8	Good	Fair	Semi-mature	Medium (15-40)	Suppressed	Protected	Native	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
313	Dead tree	Dead tree	1	31	35	3.7	43.5	2.1	12	2	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
314	Dead tree	Dead tree	1	12	16	2.0	12.6	1.5	7	1	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
315	Casuarina glauca	Swamp Sheoak	1	11	13	2.0	12.6	1.5	5	2	Good	Good	Juvenile	Long (>40)	Deadwood minor (<3cm diameter)	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
316	Casuarina glauca	Swamp Sheoak	1	28	33	3.4	35.5	2.1	17	6	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		

Tree no.	Botanical Name	Common Name	Trees in group	D9H Total (cm)	D9H (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STAR5 Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required
317	Casuarina glauca	Swamp Sheoak	1	19	26	2.3	16.3	1.9	12	4	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	2 (Medium)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
318	Casuarina glauca	Swamp Sheoak	1	37.01	41	4.4	62.0	2.3	17	8	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for bulk earthworks (5.68%)	N	5.68	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
319	Casuarina glauca	Swamp Sheoak	1	11	13	2.0	12.6	1.5	9	3	Good	Good	Semi-mature	Long (>40)	Climbing vine, Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for bulk earthworks (10.24%) which enters the SRZ	Y	10.24	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
320	Casuarina glauca	Swamp Sheoak	1	11	13	2.0	12.6	1.5	9	3	Good	Good	Semi-mature	Long (>40)	Climbing vine, Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for bulk earthworks (9.66%) which enters the SRZ	Y	9.66	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
321	Eucalyptus botryoides	Mahogany Gum	1	29	31	3.5	38.0	2.0	13	5	Poor	Fair	Juvenile	Short (5-15)	Deadwood major (>10cm diameter), Dieback, Excessively thin crown density, Wound(s)	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (73.1%), bulk earthworks (100.0%), 800mm pier hole (1.3%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
322	Casuarina glauca	Swamp Sheoak	1	10	13	2.0	12.6	1.5	9	3	Good	Good	Juvenile	Long (>40)		Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
323	Eucalyptus botryoides	Mahogany Gum	1	21	24	2.5	20.0	1.8	8	5	Poor	Fair	Juvenile	Short (5-15)	Deadwood major (>10cm diameter), Dieback, Excessively thin crown density, Wound(s)	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for bulk earthworks (55.41%) which enters the SRZ	Y	55.41	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
324	Dead tree	Dead tree	1	34.37	50	4.1	53.4	2.5	12	8	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for bulk earthworks (0.97%)	N	0.97	Minor	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
325	Casuarina glauca	Swamp Sheoak	1	30.41	36	3.6	41.8	2.2	14	6	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
326	Dead tree	Dead tree	1	24	40	2.9	26.1	2.3	13	4	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
327	Casuarina glauca	Swamp Sheoak	1	13	15	2.0	12.6	1.5	11	2	Fair	Good	Juvenile	Medium (15-40)	Deadwood moderate (3-10cm diameter), Dieback	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
328	Casuarina glauca	Swamp Sheoak	1	28	43	3.4	35.5	2.3	13	5	Good	Good	Semi-mature	Long (>40)	Climbing vine, Deadwood minor (<3cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
329	Casuarina glauca	Swamp Sheoak	1	31	36	3.7	43.5	2.2	15	6	Good	Fair	Semi-mature	Medium (15-40)	Climbing vine, Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
330	Dead tree	Dead tree	1	20	28	2.4	18.1	1.9	12	2	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
331	Eucalyptus botryoides	Mahogany Gum	1	42	46	5.0	79.8	2.4	16	8	Good	Fair	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter), Epicormic shoots, Included bark, Weak attachments	Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	

Tree no.	Botanical Name	Common Name	Trees in group	Dght total (cm)	DNB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STAR5 Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required
332	Casuarina glauca	Swamp Sheoak	1	28	31	3.4	35.5	2.0	12	3	Good	Good	Semi-mature	Long (>40)	Climbing vine, Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
333	Casuarina glauca	Swamp Sheoak	1	24	29	2.9	26.1	2.0	12	3	Good	Good	Semi-mature	Long (>40)	Climbing vine, Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
334	Casuarina glauca	Swamp Sheoak	1	18	22	2.2	14.7	1.8	12	3	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
335	Casuarina glauca	Swamp Sheoak	1	13	15	2.0	12.6	1.5	9	3	Good	Fair	Juvenile	Medium (15-40)	Climbing vine, Deadwood minor (<3cm diameter)	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
336	Casuarina glauca	Swamp Sheoak	1	27	30	3.2	33.0	2.0	12	5	Fair	Fair	Semi-mature	Medium (15-40)	Climbing vine, Co-dominant stems, Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
337	Casuarina glauca	Swamp Sheoak	1	24	29	2.9	26.1	2.0	12	5	Fair	Fair	Semi-mature	Medium (15-40)	Climbing vine, Co-dominant stems, Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
338	Dead tree	Dead tree	1	34	38	4.1	52.3	2.2	12	5	Dead	Poor	Semi-mature	Dead Or Hazardous / Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
339	Casuarina glauca	Swamp Sheoak	60	8	9	2.0	12.6	1.5	7	0.5	Good	Good	Juvenile	Medium (15-40)	Group of self-sown suckers	Group of 60 juvenile self down trees that do not meet the required 100mm trunk diameter (at 1m) for Randwick Council to consider them as trees. Vegetation of this characteristic is prevalent throughout the bank located at the north west corner of the site.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
340	Casuarina glauca	Swamp Sheoak	1	28	32	3.4	35.5	2.1	13	7	Fair	Fair	Semi-mature	Medium (15-40)	Climbing vine, Co-dominant stems, Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
341	Eucalyptus botryoides	Mahogany Gum	1	32	34	3.8	46.3	2.1	16	6	Fair	Fair	Mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
342	Eucalyptus botryoides	Mahogany Gum	1	36	39	4.3	58.6	2.2	16	9	Fair	Fair	Mature	Medium (15-40)	Climbing vine, Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Suppressed	Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		

Tree no.	Botanical Name	Common Name	Trees in group	DWH Total (cm)	DWH (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SZZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STAR5 Significance Rating	Retention Value	Encroachment into TPZ/SZZ	Within SZZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required	
343	Casuarina glauca	Swamp Sheoak	1	20	29	2.4	18.1	2.0	14	4	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	2 (Medium)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
344	Casuarina glauca	Swamp Sheoak	1	15	22	2.0	12.6	1.8	11	4	Good	Good	Juvenile	Long (>40)	Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
345	Eucalyptus botryoides	Mahogany Gum	1	41	45	4.9	76.0	2.4	18	9	Good	Fair	Semi-mature	Medium (15-40)	Climbing vine, Deadwood moderate (3-10cm diameter), Suppressed	Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
346	Casuarina glauca	Swamp Sheoak	1	39.62	38	4.8	71.0	2.2	15	10	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
347	Eucalyptus botryoides	Mahogany Gum	1	43	42	5.2	83.6	2.3	19	9	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Epicormic shoots	Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
348	Eucalyptus botryoides	Mahogany Gum	1	50.99	46	6.1	117.6	2.4	18	10	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Epicormic shoots	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for palisade fence (1.2%)	N	1.2	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
349	Olea europaea subsp. cuspidata	African Olive	1	11	14	2.0	12.6	1.5	7	5	Good	Good	Semi-mature	Medium (15-40)	Environmental/Declared Weed	Exempt	Exotic	4 (Environmental Pest / Noxious Weed)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
350	Casuarina glauca	Swamp Sheoak	2	12	14	2.0	12.6	1.5	9	2	Good	Good	Juvenile	Long (>40)	Deadwood minor (<3cm diameter), Suppressed	Group of 2 similar size trees.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
351	Casuarina glauca	Swamp Sheoak	1	11	12	2.0	12.6	1.5	10	2	Good	Good	Juvenile	Long (>40)	Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
352	Casuarina glauca	Swamp Sheoak	1	23	28	2.8	23.9	1.9	12	6	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
353	Casuarina glauca	Swamp Sheoak	1	33	39	4.0	49.3	2.2	13	6	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		

Tree no.	Botanical Name	Common Name	Trees in group	Diameter (cm)	Diameter (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARBS Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required
354	Casuarina glauca	Swamp Sheoak	1	12	15	2.0	12.6	1.5	12	2	Good	Good	Juvenile	Long (>40)	Deadwood minor (<3cm diameter), Suppressed		Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.
355	Dead tree	Dead tree	1	14	20	2.0	12.6	1.7	11	1	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree		Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (1.73%)	N	1.73	Minor	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective			
356	Casuarina glauca	Swamp Sheoak	6	13	18	2.0	12.6	1.6	7	3	Good	Good	Juvenile	Long (>40)	Deadwood minor (<3cm diameter)	Group of 6 trees to the west.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (84.5%), bulk earthworks (23.23%), 800mm pier hole (3.93%) which enters the SRZ	Y	84.5	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
357	Casuarina glauca	Swamp Sheoak	1	35	41	4.2	55.4	2.3	13	7	Fair	Good	Semi-mature	Medium (15-40)	Deadwood minor (<3cm diameter), Excessively thin crown density		Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (33.91%), bulk earthworks (23.33%), 800mm pier hole (0.89%) which enters the SRZ	Y	33.91	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
358	Casuarina glauca	Swamp Sheoak	1	26	30	3.1	30.6	2.0	14	6	Fair	Good	Semi-mature	Medium (15-40)	Deadwood minor (<3cm diameter), Excessively thin crown density		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (5.74%), bulk earthworks (13.78%), 800mm pier hole (1.62%) which enters the SRZ	Y	13.78	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
359	Casuarina glauca	Swamp Sheoak	1	38	44	4.6	65.3	2.3	15	6	Fair	Fair	Semi-mature	Short (5-15)	Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Excessively thin crown density, Wound(s)		Protected	Indigenous	2 (Medium)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (47.21%), bulk earthworks (58.55%), 800mm pier hole (0.76%) which enters the SRZ	Y	58.55	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
360	Dead tree	Dead tree	1	37	43	4.4	61.9	2.3	6	1	Dead	Has failed	Mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree		Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (78.74%), bulk earthworks (68.24%), 800mm pier hole (0.97%) which enters the SRZ	Y	78.74	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective			
361	Casuarina glauca	Swamp Sheoak	1	32.77	54	3.9	48.6	2.6	15	7	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter), Included bark		Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
362	Eucalyptus botryoides	Mahogany Gum	1	39	44	4.7	68.8	2.3	14	7	Poor	Fair	Semi-mature	Short (5-15)	Deadwood major (>10cm diameter), Dieback, Epicormic shoots, Excessively thin crown density		Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
363	Eucalyptus microcorys	Tallowood	1	41	49	4.9	76.0	2.5	16	7	Very Poor	Poor	Mature	Dead Or Hazardous/ Remove (0-5)	Deadwood major (>10cm diameter), Dieback, Epicormic shoots, Excessively thin crown density		Protected	Native	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective			
364	Corymbia maculata	Spotted Gum	1	39	44	4.7	68.8	2.3	15	10	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter)		Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
365	Dead tree	Dead tree	1	38	44	4.6	65.3	2.3	10	4	Dead	Poor	Mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree		Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective			
366	Dead tree	Dead tree	1	29	40	3.5	38.0	2.3	12	1	Dead	Poor	Mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree		Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective			
367	Dead tree	Dead tree	1	20	25	2.4	18.1	1.8	10	3	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree		Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (68.45%), bulk earthworks (60.17%), 800mm pier hole (2.73%) which enters the SRZ	Y	68.45	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective			
368	Casuarina glauca	Swamp Sheoak	1	20	31	2.4	18.1	2.0	14	5	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter)		Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.
369	Dead tree	Dead tree	1	20	25	2.4	18.1	1.8	10	3	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree		Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective			
370	Eucalyptus botryoides	Mahogany Gum	1	56.59	43	6.8	144.9	2.3	14	8	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Included bark		Exempt	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for palisade fence (3.94%)	N	3.94	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.
371	Casuarina glauca	Swamp Sheoak	1	31	32	3.7	43.5	2.1	11	4	Poor	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Deadwood major (>10cm diameter), Dieback		Protected	Indigenous	3 (Low)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective			

Tree no.	Botanical Name	Common Name	Trees in group	Dght total (cm)	DnB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STAR5 Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required
372	Casuarina glauca	Swamp Sheoak	1	13	24	2.0	12.6	1.8	8	3	Good	Good	Juvenile	Long (>40)	Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
373	Casuarina glauca	Swamp Sheoak	1	14	20	2.0	12.6	1.7	8	3	Good	Good	Juvenile	Long (>40)	Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
374	Casuarina glauca	Swamp Sheoak	1	16.28	29	2.0	12.6	2.0	8	3	Good	Good	Juvenile	Long (>40)	Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
375	Casuarina glauca	Swamp Sheoak	1	16.28	29	2.0	12.6	2.0	8	3	Good	Good	Juvenile	Long (>40)	Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
376	Casuarina glauca	Swamp Sheoak	1	21	36	2.5	20.0	2.2	13	6	Good	Good	Semi-mature	Long (>40)	Deadwood major (>10cm diameter)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
377	Eucalyptus botryoides	Mahogany Gum	1	53	72	6.4	127.1	2.9	20	18	Good	Good	Mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Epicormic shoots, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for palisade fence (2.88%)	N	2.88	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
378	Dead tree	Dead tree	1	29	40	3.5	38.0	2.3	12	1	Dead	Poor	Mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
379	Dead tree	Dead tree	1	29	40	3.5	38.0	2.3	12	1	Dead	Poor	Mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (33.16%), bulk earthworks (21.62%), 800mm pier hole (1.59%) which enters the SRZ	Y	33.16	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
380	Dead tree	Dead tree	1	29	40	3.5	38.0	2.3	12	1	Dead	Poor	Mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (96.6%), bulk earthworks (89.49%), 800mm pier hole (1.3%) which enters the SRZ	Y	96.6	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
381	Callistemon viminalis	Weeping Bottlebrush	2	10	16	2.0	12.6	1.5	6	3	Fair	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Deadwood minor (<3cm diameter)	Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
382	Corymbia maculata	Spotted Gum	1	13	19	2.0	12.6	1.6	9	4	Fair	Good	Juvenile	Medium (15-40)	Deadwood minor (<3cm diameter), Dieback, Excessively thin crown density	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
383	Casuarina glauca	Swamp Sheoak	1	43.93	46	5.3	87.3	2.4	14	8	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (95.61%), bulk earthworks (89.61%), 800mm pier hole (0.57%) which enters the SRZ	Y	95.61	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
384	Casuarina glauca	Swamp Sheoak	1	23	29	2.8	23.9	2.0	10	4	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (98.51%), bulk earthworks (87.16%) which enters the SRZ	Y	98.51	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
385	Dead tree	Dead tree	1	29	40	3.5	38.0	2.3	12	1	Dead	Poor	Mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (93.42%), bulk earthworks (81.9%), 800mm pier hole (1.3%) which enters the SRZ	Y	93.42	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
386	Callistemon viminalis	Weeping Bottlebrush	2	10	16	2.0	12.6	1.5	6	3	Fair	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Deadwood minor (<3cm diameter)	Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (93.08%), bulk earthworks (70.56%), 800mm pier hole (2.44%) which enters the SRZ	Y	93.08	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
387	Dead tree	Dead tree	1	29	40	3.5	38.0	2.3	12	1	Dead	Poor	Mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				

Tree no.	Botanical Name	Common Name	Trees in group	DBH Total (cm)	DnB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STAR5 Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required	
388	Casuarina glauca	Swamp Sheoak	1	14	19	2.0	12.6	1.6	9	4	Good	Fair	Juvenile	Medium (15-40)	Constrained growing environment, Suppressed	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
389	Casuarina glauca	Swamp Sheoak	1	16.4	28	2.0	12.6	1.9	8	3	Fair	Good	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
390	Eucalyptus robusta	Swamp Mahogany	1	41	49	4.9	76.0	2.5	14	10	Good	Good	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter), Epicormic shoots	Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
391	Casuarina glauca	Swamp Sheoak	1	28	34	3.4	35.5	2.1	13	5	Fair	Fair	Semi-mature	Short (5-15)	Climbing vine	Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
392	Casuarina glauca	Swamp Sheoak	1	30	36	3.6	40.7	2.2	15	8	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
393	Casuarina glauca	Swamp Sheoak	1	29	33	3.5	38.0	2.1	14	4	Good	Good	Mature	Long (>40)	Deadwood minor (<3cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (75.62%), bulk earthworks (59.78%), 800mm pier hole (1.3%) which enters the SRZ	Y	75.62	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts					
394	Casuarina glauca	Swamp Sheoak	1	20.98	32	2.5	19.9	2.1	12	6	Good	Good	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter), Included bark	Protected	Indigenous	2 (Medium)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
395	Casuarina glauca	Swamp Sheoak	4	12	16	2.0	12.6	1.5	9	2	Good	Good	Juvenile	Medium (15-40)	Group of self-sown suckers	Group of 4 similarly sized trees.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
396	Casuarina glauca	Swamp Sheoak	1	20.98	32	2.5	19.9	2.1	10	9	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Included bark	Protected	Indigenous	2 (Medium)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
397	Casuarina glauca	Swamp Sheoak	4	12	16	2.0	12.6	1.5	9	2	Good	Good	Juvenile	Medium (15-40)	Group of self-sown suckers	Group of 4 similarly sized trees.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
398	Casuarina glauca	Swamp Sheoak	1	14	19	2.0	12.6	1.6	12	4	Good	Good	Juvenile	Long (>40)		Protected	Indigenous	2 (Medium)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
399	Casuarina glauca	Swamp Sheoak	11	12	14	2.0	12.6	1.5	10	2	Good	Good	Juvenile	Medium (15-40)	Group of self-sown suckers	Tag includes 11 trees growing to the west of GPS locTion.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	

Tree no.	Botanical Name	Common Name	Trees in group	DH4 total (cm)	DH3 (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARBS Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Requirements
400	Casuarina glauca	Swamp Sheoak	1	12	13	2.0	12.6	1.5	11	2	Good	Good	Juvenile	Long (>40)	Deadwood minor (<3cm diameter)	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
401	Casuarina glauca	Swamp Sheoak	1	29	34	3.5	38.0	2.1	13	5	Poor	Good	Semi-mature	Short (5-15)	Deadwood minor (<3cm diameter), Dieback, Excessively thin crown density	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
402	Casuarina glauca	Swamp Sheoak	1	27	34	3.2	33.0	2.1	13	6	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (4.57%), 800mm pier hole (1.5%)	N	4.57	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
403	Casuarina glauca	Swamp Sheoak	1	26	34	3.1	30.6	2.1	14	5	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (33.13%), bulk earthworks (19.07%), 800mm pier hole (1.61%) which enters the SRZ	Y	33.13	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
404	Casuarina glauca	Swamp Sheoak	1	27	35	3.2	33.0	2.1	12	7	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (71.21%), bulk earthworks (57.26%), 800mm pier hole (1.5%) which enters the SRZ	Y	71.21	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
405	Dead tree	Dead tree	1	24	36	2.9	26.1	2.2	10	6	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (86.34%), bulk earthworks (72.61%), 800mm pier hole (1.9%) which enters the SRZ	Y	86.34	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
406	Corymbia maculata	Spotted Gum	1	31.3	44	3.8	44.3	2.3	14	8	Poor	Fair	Semi-mature	Short (5-15)	Co-dominant stems, Deadwood major (>10cm diameter), Dieback, Epicormic shoots	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (3.02%), 800mm pier hole (0.54%)	N	3.02	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
407	Casuarina glauca	Swamp Sheoak	1	30	34	3.6	40.7	2.1	15	6	Very Poor	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Deadwood major (>10cm diameter), Dieback, Excessively thin crown density	Protected	Indigenous	5 (Hazardous / Irreversible Decline)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
408	Casuarina glauca	Swamp Sheoak	1	12	16	2.0	12.6	1.5	8	3	Poor	Fair	Juvenile	Short (5-15)	Deadwood moderate (3-10cm diameter), Dieback	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (20.83%), bulk earthworks (4.84%), 800mm pier hole (1.31%) which enters the SRZ	Y	20.83	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
409	Casuarina glauca	Swamp Sheoak	1	21	29	2.5	20.0	2.0	13	7	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
410	Eucalyptus robusta	Swamp Mahogany	1	34	39	4.1	52.3	2.2	12	10	Fair	Good	Semi-mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
411	Callistemon viminalis	Weeping Bottlebrush	1	12.61	23	2.0	12.6	1.8	7	5	Good	Good	Semi-mature	Medium (15-40)	Co-dominant stems, Constrained growing environment, included bark, Suppressed	Protected	Native	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
412	Casuarina glauca	Swamp Sheoak	1	13	15	2.0	12.6	1.5	10	3	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	

Tree no.	Botanical Name	Common Name	Trees in group	D100 Total (cm)	D100 (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STAR Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Requirements
413	Casuarina glauca	Swamp Sheoak	1	13	14	2.0	12.6	1.5	14	7	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter), Suppressed		Protected	Indigenous	2 (Medium)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
414	Casuarina glauca	Swamp Sheoak	1	34	47	4.1	52.3	2.4	16	8	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter)		Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
415	Casuarina glauca	Swamp Sheoak	1	12	15	2.0	12.6	1.5	7	3	Good	Good	Juvenile	Medium (15-40)	Constrained growing environment, Suppressed		Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (1.22%)	N	1.22	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
416	Casuarina glauca	Swamp Sheoak	1	27	30	3.2	33.0	2.0	12	7	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter)		Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (58.8%), bulk earthworks (43.8%), 800mm pier hole (1.5%) which enters the SRZ	Y	58.8	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
417	Casuarina glauca	Swamp Sheoak	1	12	15	2.0	12.6	1.5	7	3	Good	Good	Juvenile	Medium (15-40)	Constrained growing environment, Suppressed		Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (93.11%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
418	Casuarina glauca	Swamp Sheoak	1	26	30	3.1	30.6	2.0	12	5	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter)		Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (37.34%), bulk earthworks (21.69%), 800mm pier hole (1.62%) which enters the SRZ	Y	37.34	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
419	Callistemon viminalis	Weeping Bottlebrush	1	15	28	2.0	12.6	1.9	8	6	Good	Good	Semi-mature	Medium (15-40)	Constrained growing environment, Suppressed		Protected	Native	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
420	Casuarina glauca	Swamp Sheoak	6	12	14	2.0	12.6	1.5	8	2	Good	Good	Juvenile	Medium (15-40)	Group of self-sown suckers	Group of 6 self sown trees similar in size.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
421	Corymbia maculata	Spotted Gum	1	26	27	3.1	30.6	1.9	12	7	Good	Good	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter), Suppressed		Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (2.05%)	N	2.05	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
422	Casuarina glauca	Swamp Sheoak	1	28	37	3.4	35.5	2.2	10	5	Fair	Good	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter), Dieback, Excessively thin crown density		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
423	Casuarina glauca	Swamp Sheoak	1	27	36	3.2	33.0	2.2	9	5	Fair	Good	Semi-mature	Medium (15-40)	Deadwood minor (<3cm diameter), Dieback, Excessively thin crown density		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
424	Casuarina glauca	Swamp Sheoak	2	12	14	2.0	12.6	1.5	7	2	Good	Good	Juvenile	Medium (15-40)	Group of self-sown suckers	Group of 2 similarly sized trees.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
425	Casuarina glauca	Swamp Sheoak	1	27	31	3.2	33.0	2.0	12	8	Fair	Good	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter), Wound(s)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	

Tree no.	Botanical Name	Common Name	Trees in group	Diameter Total (cm)	Diameter (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULF (Yrs.)	Observations	Comments	DCP Status	Origin	STARs Significance Rating	Retention Value	Encroachment info TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required	
426	Casuarina glauca	Swamp Sheoak	1	17	19	2.0	13.1	1.6	12	5	Good	Good	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
427	Casuarina glauca	Swamp Sheoak	1	30	34	3.6	40.7	2.1	14	8	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (26.19%), bulk earthworks (11.33%), 800mm pier hole (1.86%) which enters the SRZ	Y	26.19	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts					
428	Casuarina glauca	Swamp Sheoak	1	19	26	2.3	16.3	1.9	12	4	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (40.82%), bulk earthworks (16.43%), 800mm pier hole (3.03%) which enters the SRZ	Y	40.82	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts					
429	Eucalyptus botryoides	Mahogany Gum	1	19	21	2.3	16.3	1.7	6	7	Poor	Poor	Juvenile	Short (5-15)	Constrained growing environment, Deadwood major (>10cm diameter), Dieback, Over-extended branch(es), Suppressed	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (32.04%), bulk earthworks (7.99%), 800mm pier hole (3.03%) which enters the SRZ	Y	32.04	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts					
430	Ficus rubiginosa	Port Jackson Fig	1	42.95	48	5.2	83.5	2.4	9	13	Good	Good	Semi-mature	Long (>40)	Crossing/rubbing branches, Deadwood minor (<3cm diameter), Over-extended branch(es), Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (41.87%), bulk earthworks (29.17%), 800mm pier hole (1.1%) which enters the SRZ	Y	41.87	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts					
431	Dead tree	Dead tree	1	12	16	2.0	12.6	1.5	8	1	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective					
432	Ficus rubiginosa	Port Jackson Fig	1	23.02	44	2.8	24.0	2.3	7	8	Good	Fair	Juvenile	Medium (15-40)	Co-dominant stems, Constrained growing environment, Crossing/rubbing branches	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
433	Casuarina glauca	Swamp Sheoak	1	14	22	2.0	12.6	1.8	10	4	Fair	Fair	Semi-mature	Short (5-15)	Constrained growing environment, Crossing/rubbing branches, Deadwood minor (<3cm diameter), Dieback, Wound(s)	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
434	Ficus rubiginosa	Port Jackson Fig	1	12	17	2.0	12.6	1.6	6	6	Good	Good	Juvenile	Short (5-15)	Constrained growing environment	Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
435	Casuarina glauca	Swamp Sheoak	1	12	15	2.0	12.6	1.5	11	4	Good	Good	Semi-mature	Medium (15-40)	Crossing/rubbing branches, Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
436	Casuarina glauca	Swamp Sheoak	2	11	13	2.0	12.6	1.5	9	2	Good	Good	Juvenile	Medium (15-40)	Deadwood minor (<3cm diameter)	Group of 2 trees, similarly sized.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
437	Dead tree	Dead tree	1	28	33	3.4	35.5	2.1	13	6	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective					
438	Casuarina glauca	Swamp Sheoak	4	12	14	2.0	12.6	1.5	7	2	Good	Good	Juvenile	Medium (15-40)	Group of self-sown suckers	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
439	Casuarina glauca	Swamp Sheoak	1	14	17	2.0	12.6	1.6	6	4	Good	Good	Juvenile	Long (>40)	Deadwood moderate (3-10cm diameter)	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		

Tree no.	Botanical Name	Common Name	Trees in group	D84 Total (cm)	D84 (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	U.E. (Yrs.)	Observations	Comments	DCP Status	Origin	STAR5 Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Requirements	
440	Casuarina glauca	Swamp Sheoak	1	13	17	2.0	12.6	1.6	13	4	Good	Fair	Semi-mature	Short (5-15)	Constrained growing environment, Crossing/rubbing branches, Damaging infrastructure, Deadwood minor (<3cm diameter)	Growing through dominant ficus rubiginosa (441).	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
441	Ficus rubiginosa	Port Jackson Fig	1	57.95	68	7.0	151.9	2.8	9	16	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Damaging infrastructure, Deadwood minor (<3cm diameter)		Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (1.57%), palisade fence (2.97%), 800mm pier hole (0.33%)	N	2.97	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	Crown reduction of the southern crown in addition to selective pruning required to manage sound wall conflicts.	
442	Casuarina glauca	Swamp Sheoak	1	16	19	2.0	12.6	1.6	9	5	Good	Fair	Semi-mature	Medium (15-40)	Constrained growing environment, Deadwood minor (<3cm diameter), Termites, Wound(s)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	The crown of this tree will conflict with the proposed sound wall and rig required for construction due to its asymmetrical nature. Pruning is not a viable option for retention. TPZ encroachment for warehouse and driveway (9.32%), bulk earthworks (0.01%), 800mm pier hole (1.62%). The crown of this tree will conflict with the proposed sound wall and rig required for construction due to its asymmetrical nature. Pruning is not a viable option for retention.	N	0	Major	Crown conflicts with proposed sound wall are construction rig are not manageable. Tree not viable for retention.	Remove - project impacts				
443	Corymbia maculata	Spotted Gum	1	26	30	3.1	30.6	2.0	11	7	Good	Good	Semi-mature	Medium (15-40)	Constrained growing environment, Deadwood moderate (3-10cm diameter), Suppressed		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (9.32%), bulk earthworks (0.01%), 800mm pier hole (1.62%). The crown of this tree will conflict with the proposed sound wall and rig required for construction due to its asymmetrical nature. Pruning is not a viable option for retention.	N	9.32	Major	Crown conflicts with proposed sound wall are construction rig are not manageable. Tree not viable for retention.	Remove - project impacts				
444	Casuarina glauca	Swamp Sheoak	1	16	19	2.0	12.6	1.6	7	5	Good	Fair	Semi-mature	Medium (15-40)	Constrained growing environment, Deadwood minor (<3cm diameter), Termites, Wound(s)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (11.98%), 800mm pier hole (3.23%) which enters the SRZ	Y	11.98	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
445	Casuarina glauca	Swamp Sheoak	1	21	29	2.5	20.0	2.0	8	5	Very Poor	Poor	Juvenile	Short (5-15)	Constrained growing environment, Deadwood major (>10cm diameter), Dieback, Suppressed, Wound(s)		Protected	Indigenous	5 (Hazardous / Irreversible Decline)	Priority for Removal	No direct encroachment	N	0	Nil	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
446	Corymbia maculata	Spotted Gum	1	28.04	43	3.4	35.6	2.3	13	9	Good	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Constrained growing environment, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Suppressed		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for access foot ramp (13.99%) which enters the SRZ	Y	13.99	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
447	Casuarina glauca	Swamp Sheoak	1	37	43	4.4	61.9	2.3	14	6	Good	Good	Mature	Long (>40)	Deadwood minor (<3cm diameter)		Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for palisade fence (0.03%), access foot ramp (42.68%) which enters the SRZ	Y	42.68	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
448	Dead tree	Dead tree	1	16	20	2.0	12.6	1.7	7	2	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree		Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for access foot ramp (75.6%) which enters the SRZ	Y	75.6	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
449	Dead tree	Dead tree	1	12	19	2.0	12.6	1.6	6	2	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree		Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for access foot ramp (57.88%) which enters the SRZ	Y	57.88	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
450	Corymbia maculata	Spotted Gum	1	37	43	4.4	61.9	2.3	16	11	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter)		Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for access foot ramp (47.52%) which enters the SRZ	Y	47.52	Major	Due to the elevated nature of the proposed walkway, this tree will be viable for retention. However, during detailed design, the siting of pier holes must be outside the SRZ. In addition, a close analysis of crown conflicts must be undertaken and the ramp positioned to avoid the trunk and account for future growth. In addition, this analysis must minimise the size and amount of branch material removed.	Retain - generic plus	Walkway is to be constructed above grade with flexible pier locations which must be outside the SRZ. The construction methodology must avoid crown conflicts eg. crane descending through crown.	TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
451	Banksia integrifolia	Coast Banksia	1	15	17	2.0	12.6	1.6	6	6	Good	Good	Semi-mature	Medium (15-40)	Deadwood minor (<3cm diameter)		Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for access foot ramp (21.68%) which enters the SRZ	Y	21.68	Major	Due to the elevated nature of the proposed walkway, this tree will be viable for retention. However, during detailed design, the siting of pier holes must be outside the SRZ. In addition, a close analysis of crown conflicts must be undertaken and the ramp positioned to avoid the trunk and account for future growth. In addition, this analysis must minimise the size and amount of branch material removed.	Retain - generic plus	Walkway is to be constructed above grade with flexible pier locations which must be outside the SRZ. The construction methodology must avoid crown conflicts eg. crane descending through crown.	TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
452	Dead tree	Dead tree	1	30	33	3.6	40.7	2.1	7	3	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree		Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for access foot ramp (52.2%) which enters the SRZ	Y	52.2	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				

Tree no.	Botanical Name	Common Name	Trees in group	Diameter (cm)	Diameter (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARBS Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Requirements
453	Casuarina glauca	Swamp Sheoak	1	26	34	3.1	30.6	2.1	13	5	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter), Suppressed, Wound(s)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for access foot ramp (71.59%) which enters the SRZ	Y	71.59	Major	Due to the elevated nature of the proposed walkway, this tree will be viable for retention. However, during detailed design, the siting of pier holes must be outside the SRZ. In addition, a close analysis of crown conflicts must be undertaken and the ramp positioned to avoid the trunk and account for future growth. In addition, this analysis must minimise the size and amount of branch material removed.	Retain - generic plus	Walkway is to be constructed above grade with flexible pier locations which must be outside the SRZ. The construction methodology must avoid crown conflicts eg. crane descending through crown.	TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
454	Casuarina glauca	Swamp Sheoak	1	25	34	3.0	28.3	2.1	13	5	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter), Suppressed, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for access foot ramp (51.27%) which enters the SRZ	Y	51.27	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
455	Casuarina glauca	Swamp Sheoak	1	26	34	3.1	30.6	2.1	13	3	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter), Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for access foot ramp (67.2%) which enters the SRZ	Y	67.2	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
456	Dead tree	Dead tree	1	29	34	3.5	38.0	2.1	12	6	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for palisade fence (0.15%), access foot ramp (35.66%) which enters the SRZ	Y	35.66	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
457	Casuarina glauca	Swamp Sheoak	1	27	35	3.2	33.0	2.1	12	4	Good	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter), Included bark	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
458	Dead tree	Dead tree	1	25	38	3.0	28.3	2.2	11	5	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (96.92%), bulk earthworks (85.07%), access foot ramp (11.66%) which enters the SRZ	Y	96.92	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
459	Ficus rubiginosa	Port Jackson Fig	1	36.25	47	4.4	59.4	2.4	8	15	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Deadwood minor (<3cm diameter), Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (46.17%), bulk earthworks (34.4%), access foot ramp (49.15%), 800mm pier hole (1.66%) which enters the SRZ	Y	49.15	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
460	Dead tree	Dead tree	1	16	20	2.0	12.6	1.7	7	2	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for access foot ramp (53.83%) which enters the SRZ	Y	53.83	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
461	Corymbia maculata	Spotted Gum	1	37.48	39	4.5	63.5	2.2	15	9	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Dieback, Included bark	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for access foot ramp (52.31%) which enters the SRZ	Y	52.31	Major	Due to the elevated nature of the proposed walkway, this tree will be viable for retention. However, during detailed design, the siting of pier holes must be outside the SRZ. In addition, a close analysis of crown conflicts must be undertaken and the ramp positioned to avoid the trunk and account for future growth. In addition, this analysis must minimise the size and amount of branch material removed.	Retain - generic plus	Walkway is to be constructed above grade with flexible pier locations which must be outside the SRZ. The construction methodology must avoid crown conflicts eg. crane descending through crown.	TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
462	Eucalyptus botryoides	Mahogany Gum	1	12	20	2.0	12.6	1.7	9	3	Fair	Fair	Juvenile	Short (5-15)	Constrained growing environment, Deadwood minor (<3cm diameter), Dieback, Suppressed	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for access foot ramp (75.94%) which enters the SRZ	Y	75.94	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
463	Corymbia maculata	Spotted Gum	1	27	34	3.2	33.0	2.1	10	7	Fair	Fair	Semi-mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Suppressed	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
464	Eucalyptus botryoides	Mahogany Gum	1	53	60	6.4	127.1	2.7	19	9	Fair	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Included bark, Weak attachments, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (99.19%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
465	Eucalyptus botryoides	Mahogany Gum	1	56	61	6.7	141.9	2.7	19	22	Fair	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Included bark, Weak attachments, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (99.2%), bulk earthworks (95.96%), 800mm pier hole (0.05%) which enters the SRZ	Y	99.2	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
466	Casuarina glauca	Swamp Sheoak	3	10	12	2.0	12.6	1.5	8	2	Good	Good	Juvenile	Medium (15-40)	Suppressed	Group of 3 similarly sized trees.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
467	Casuarina glauca	Swamp Sheoak	1	27	34	3.2	33.0	2.1	13	6	Good	Good	Semi-mature	Long (>40)	Climbing vine, Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (69.71%), bulk earthworks (54.64%), 800mm pier hole (1.5%) which enters the SRZ	Y	69.71	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				

Tree no.	Botanical Name	Common Name	Trees in group	DHt Total (cm)	DHt (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STAR Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required
468	<i>Olea europaea subsp. cuspidata</i>	African Olive	1	11.87	14	2.0	12.6	1.5	7	7	Good	Good	Semi-mature	Long (>40)	Environmental/Declared Weed	Exempt	Exotic	4 (Environmental Pest / Noxious Weed)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (94.06%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
469	<i>Casuarina glauca</i>	Swamp Sheoak	1	29	35	3.5	38.0	2.1	14	7	Good	Good	Semi-mature	Medium (15-40)	Climbing vine, Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (98.5%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
470	<i>Eucalyptus botryoides</i>	Mahogany Gum	1	51	53	6.1	117.7	2.5	20	8	Poor	Fair	Mature	Short (5-15)	Co-dominant stems, Deadwood major (>10cm diameter), Dieback, Epicormic shoots, Included bark, Wound(s)	Protected	Indigenous	1 (High)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (99.24%), bulk earthworks (95.31%), 800mm pier hole (0.18%) which enters the SRZ	Y	99.24	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
471	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	13	15	2.0	12.6	1.5	9	5	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter), Suppressed	Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
472	<i>Casuarina glauca</i>	Swamp Sheoak	1	12	14	2.0	12.6	1.5	9	3	Good	Good	Juvenile	Medium (15-40)	Constrained growing environment, Suppressed	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
473	<i>Casuarina glauca</i>	Swamp Sheoak	1	29.53	36	3.5	39.4	2.2	12	5	Very Poor	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Deadwood major (>10cm diameter)	Main leader is completely dead, one live branch growing from base of tree.	Protected	Indigenous	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective			
474	<i>Casuarina glauca</i>	Swamp Sheoak	1	28	36	3.4	35.5	2.2	16	7	Good	Good	Semi-mature	Medium (15-40)	Deadwood minor (<3cm diameter)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (95.87%), bulk earthworks (84.6%) which enters the SRZ	Y	95.87	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
475	<i>Casuarina glauca</i>	Swamp Sheoak	1	31	37	3.7	43.5	2.2	14	3	Poor	Fair	Semi-mature	Short (5-15)	Climbing vine		Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (42.0%), bulk earthworks (27.91%), 800mm pier hole (1.99%) which enters the SRZ	Y	42	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
476	Dead tree	Dead tree	1	29.83	40	3.6	40.3	2.3	13	5	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Climbing vine, Co-dominant stems, Significant fault - standing dead tree		Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (89.16%), bulk earthworks (76.02%), 800mm pier hole (1.23%) which enters the SRZ	Y	89.16	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective			
477	Dead tree	Dead tree	1	26	31	3.1	30.6	2.0	14	2	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
478	Dead tree	Dead tree	1	28	31	3.4	35.5	2.0	11	2	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
479	<i>Melaleuca bracteata</i>	Black Tea Tree	1	21	28	2.5	20.0	1.9	11	7	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter)	Protected	Native	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
480	<i>Casuarina glauca</i>	Swamp Sheoak	1	28.32	39	3.4	36.3	2.2	15	8	Good	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter), Included bark	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
481	<i>Casuarina glauca</i>	Swamp Sheoak	1	32	41	3.8	46.3	2.3	15	6	Fair	Fair	Semi-mature	Short (5-15)	Climbing vine, Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
482	Dead tree	Dead tree	1	26	31	3.1	30.6	2.0	14	2	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
483	<i>Casuarina glauca</i>	Swamp Sheoak	1	31	39	3.7	43.5	2.2	15	8	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (95.53%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
484	<i>Casuarina glauca</i>	Swamp Sheoak	1	32	40	3.8	46.3	2.3	15	8	Good	Good	Mature	Long (>40)	Climbing vine, Co-dominant stems, Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (97.54%), bulk earthworks (87.76%), 800mm pier hole (1.01%) which enters the SRZ	Y	97.54	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
485	Dead tree	Dead tree	1	34	40	4.1	52.3	2.3	15	7	Dead	Poor	Mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
486	<i>Casuarina glauca</i>	Swamp Sheoak	1	30	35	3.6	40.7	2.1	15	8	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
487	<i>Casuarina glauca</i>	Swamp Sheoak	1	30	37	3.6	40.7	2.2	15	6	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				

Tree no.	Botanical Name	Common Name	Trees in group	Diameter Total (cm)	Diameter (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STAR Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Requirements
488	Casuarina glauca	Swamp Sheoak	1	41	51	4.9	76.0	2.5	16	11	Good	Good	Mature	Long (>40)	Deadwood minor (<3cm diameter), Epicormic shoots	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
489	Melaleuca bracteata	Black Tea Tree	1	11	13	2.0	12.6	1.5	7	3	Good	Good	Juvenile	Long (>40)		Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
490	Casuarina glauca	Swamp Sheoak	1	38	61	4.6	65.3	2.7	18	10	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter), Previous failure(s), Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
491	Casuarina glauca	Swamp Sheoak	1	24	31	2.9	26.1	2.0	15	5	Good	Good	Semi-mature	Long (>40)	Climbing vine, Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
492	Dead tree	Dead tree	1	34	40	4.1	52.3	2.3	15	7	Dead	Poor	Mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree	Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective				
493	Casuarina glauca	Swamp Sheoak	1	38	61	4.6	65.3	2.7	18	10	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter), Previous failure(s), Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
494	Casuarina glauca	Swamp Sheoak	1	27	35	3.2	33.0	2.1	14	6	Poor	Fair	Semi-mature	Short (5-15)	Deadwood moderate (3-10cm diameter), Decay, Dieback, Excessively thin crown density, Wood borer, Wound(s)	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
495	Corymbia maculata	Spotted Gum	1	24	28	2.9	26.1	1.9	12	5	Good	Good	Semi-mature	Medium (15-40)	Deadwood minor (<3cm diameter), Suppressed	Protected	Native	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
496	Corymbia maculata	Spotted Gum	1	33	38	4.0	49.3	2.2	17	8	Poor	Fair	Semi-mature	Short (5-15)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Excessively thin crown density, Wood borer, Wound(s)	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (98.69%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
497	Podocarpus elatus	Illawarra Plum	1	13.6	26	2.0	12.6	1.9	6	4	Good	Good	Juvenile	Medium (15-40)	Co-dominant stems, Constrained growing environment, Deadwood minor (<3cm diameter), Included bark, Suppressed	Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (38.98%), bulk earthworks (8.36%) which enters the SRZ	Y	38.98	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
498	Corymbia maculata	Spotted Gum	1	18	24	2.2	14.7	1.8	12	5	Good	Fair	Semi-mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Suppressed	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (69.36%), bulk earthworks (37.51%) which enters the SRZ	Y	69.36	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
499	Podocarpus elatus	Illawarra Plum	1	13.89	20	2.0	12.6	1.7	6	5	Good	Good	Juvenile	Medium (15-40)	Co-dominant stems, Constrained growing environment, Included bark, Suppressed	Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (5.88%) which enters the SRZ	N	5.88	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
500	Casuarina glauca	Swamp Sheoak	1	20	24	2.4	18.1	1.8	11	4	Good	Good	Semi-mature	Medium (15-40)	Constrained growing environment, Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (7.69%) which enters the SRZ	N	7.69	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
501	Corymbia maculata	Spotted Gum	1	54	63	6.5	131.9	2.7	20	18	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (23.25%), footpath (1.95%), bulk earthworks (11.23%)	N	23.25	Major	The existing warehouse has likely influenced root growth to the north which is where the majority of proposed works encroach the TPZ. As such, the full impact of a 20%+ encroachment are not expected to be realised. This tree will be viable for retention with plant health care measures to bolster its response to root loss.	Retain - generic plus	Irrigation and mulch to be installed within TPZ prior to works commencing. In addition, 6 weekly treatments with a seaweed based soil conditioner are required.	TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	Reduction pruning of the northern crown required to provide adequate building and construction clearance. 10-15% crown volume reduction required.	
502	Podocarpus elatus	Illawarra Plum	1	10.63	18	2.0	12.6	1.6	6	5	Good	Fair	Juvenile	Medium (15-40)	Co-dominant stems, Growing from cut stump, Included bark, Suppressed	Protected	Native	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		

Tree no.	Botanical Name	Common Name	Trees in group	Diameter (cm)	Diameter (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STAR Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required
503	Casuarina glauca	Swamp Sheoak	1	13	15	2.0	12.6	1.5	6	3	Fair	Fair	Semi-mature	Medium (15-40)	Constrained growing environment, Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (3.32%)	N	3.32	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
504	Casuarina glauca	Swamp Sheoak	1	20	23	2.4	18.1	1.8	11	6	Good	Good	Semi-mature	Medium (15-40)	Constrained growing environment, Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (23.06%), bulk earthworks (3.65%) which enters the SRZ	Y	23.06	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
505	Corymbia maculata	Spotted Gum	1	49	54	5.9	108.6	2.6	20	19	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (84.13%), bulk earthworks (69.25%) which enters the SRZ	Y	84.13	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
506	Casuarina glauca	Swamp Sheoak	1	17	19	2.0	13.1	1.6	11	5	Fair	Fair	Semi-mature	Medium (15-40)	Constrained growing environment, Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
507	Corymbia maculata	Spotted Gum	1	12	16	2.0	12.6	1.5	9	3	Fair	Fair	Juvenile	Medium (15-40)	Constrained growing environment, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Suppressed	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
508	Casuarina glauca	Swamp Sheoak	1	13	15	2.0	12.6	1.5	11	5	Fair	Fair	Semi-mature	Medium (15-40)	Constrained growing environment, Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
509	Callistemon viminalis	Weeping Bottlebrush	1	10.77	19	2.0	12.6	1.6	5	5	Good	Good	Semi-mature	Medium (15-40)	Suppressed	Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
510	Callistemon viminalis	Weeping Bottlebrush	1	9.9	19	2.0	12.6	1.6	5	5	Good	Good	Semi-mature	Medium (15-40)	Suppressed	Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
511	Callistemon viminalis	Weeping Bottlebrush	1	9.9	19	2.0	12.6	1.6	5	5	Good	Good	Semi-mature	Medium (15-40)	Suppressed	Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
512	Callistemon viminalis	Weeping Bottlebrush	1	9.9	19	2.0	12.6	1.6	5	5	Good	Good	Semi-mature	Medium (15-40)	Suppressed	Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
513	Corymbia maculata	Spotted Gum	1	13	15	2.0	12.6	1.5	3	8	Good	Poor	Juvenile	Short (5-15)	Constrained growing environment, Over-extended branch(es), Suppressed	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (75.7%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
514	Corymbia maculata	Spotted Gum	1	46	42	5.5	95.7	2.3	13	12	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (77.38%), bulk earthworks (58.23%) which enters the SRZ	Y	77.38	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
515	Corymbia maculata	Spotted Gum	1	31	33	3.7	43.5	2.1	7	6	Poor	Fair	Semi-mature	Short (5-15)	Deadwood moderate (3-10cm diameter), Dieback, Excessively thin crown density	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (29.58%), bulk earthworks (10.74%) which enters the SRZ	Y	29.58	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
516	Corymbia maculata	Spotted Gum	1	30	34	3.6	40.7	2.1	14	8	Good	Good	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (79.04%), bulk earthworks (68.97%) which enters the SRZ	Y	79.04	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
517	Callistemon viminalis	Weeping Bottlebrush	1	10.77	19	2.0	12.6	1.6	5	5	Good	Good	Semi-mature	Medium (15-40)	Suppressed	Protected	Native	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
518	Corymbia maculata	Spotted Gum	1	18	26	2.2	14.7	1.9	13	8	Good	Good	Semi-mature	Long (>40)	Crossing/rubbing branches, Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (24.44%), bulk earthworks (10.93%) which enters the SRZ	Y	24.44	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
519	Corymbia maculata	Spotted Gum	1	32	39	3.8	46.3	2.2	14	9	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (31.26%), bulk earthworks (23.04%) which enters the SRZ	Y	31.26	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
520	Corymbia maculata	Spotted Gum	1	32	39	3.8	46.3	2.2	16	8	Good	Good	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	

Tree no.	Botanical Name	Common Name	Trees in group	Diameter Total (cm)	Diameter (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARBS Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required
521	<i>Ficus rubiginosa</i>	Port Jackson Fig	1	54.38	64	6.5	133.8	2.7	8	15	Good	Fair	Semi-mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Deadwood minor (<3cm diameter), Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (31.85%), bulk earthworks (27.01%) which enters the SRZ	Y	31.85	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
522	<i>Leptospermum petersonii</i>	Lemon-scented Tea Tree	1	21	26	2.5	20.0	1.9	10	6	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter)	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
523	<i>Eucalyptus botryoides</i>	Mahogany Gum	1	47.38	46	5.7	101.6	2.4	12	14	Good	Good	Mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
524	<i>Casuarina glauca</i>	Swamp Sheoak	1	12	19	2.0	12.6	1.6	10	3	Good	Good	Juvenile	Long (>40)	Deadwood minor (<3cm diameter)	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (49.87%), bulk earthworks (34.38%) which enters the SRZ	Y	49.87	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
525	<i>Eucalyptus botryoides</i>	Mahogany Gum	1	10.82	31	2.0	12.6	2.0	6	5	Poor	Poor	Juvenile	Short (5-15)	Constrained growing environment, Deadwood minor (<3cm diameter), Dieback, Growing from cut stump	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (26.35%), bulk earthworks (13.01%) which enters the SRZ	Y	26.35	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
526	<i>Casuarina glauca</i>	Swamp Sheoak	1	40	53	4.8	72.4	2.5	17	13	Good	Good	Mature	Long (>40)	Crossing/rubbing branches, Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (39.17%), bulk earthworks (32.74%) which enters the SRZ	Y	39.17	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
527	<i>Eucalyptus robusta</i>	Swamp Mahogany	1	15	18	2.0	12.6	1.6	7	3	Poor	Poor	Juvenile	Short (5-15)	Constrained growing environment, Deadwood moderate (3-10cm diameter), Dieback, Mechanical damage, Wood borer, Wound(s)	Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
528	<i>Leptospermum petersonii</i>	Lemon-scented Tea Tree	1	12.37	21	2.0	12.6	1.7	6	5	Fair	Poor	Semi-mature	Short (5-15)	Co-dominant stems, Constrained growing environment, Crossing/rubbing branches, Dieback, Included bark	Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
529	<i>Eucalyptus botryoides</i>	Mahogany Gum	1	55	61	6.6	136.8	2.7	20	12	Good	Good	Mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Included bark	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (10.94%), footpath (5.38%), bulk earthworks (7.72%)	N	10.94	Major	As the level of encroachment only marginally exceeds 10% and existing structures have likely influenced root growth, no significant impact to this tree is expected. In addition, the footpath is to be at or above existing grade which will limit root pruning.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
530	<i>Eucalyptus robusta</i>	Swamp Mahogany	1	28	29	3.4	35.5	2.0	11	6	Poor	Fair	Juvenile	Short (5-15)	Constrained growing environment, Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Suppressed	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (1.25%)	N	1.25	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
531	<i>Eucalyptus robusta</i>	Swamp Mahogany	1	13	15	2.0	12.6	1.5	5	5	Poor	Fair	Juvenile	Short (5-15)	Constrained growing environment, Deadwood moderate (3-10cm diameter), Dieback, Suppressed	Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
532	<i>Casuarina glauca</i>	Swamp Sheoak	1	33	41	4.0	49.3	2.3	18	8	Fair	Good	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter), Dieback, Excessively thin crown density	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (21.61%), bulk earthworks (15.41%) which enters the SRZ	Y	21.61	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
533	<i>Casuarina glauca</i>	Swamp Sheoak	1	13	17	2.0	12.6	1.6	9	5	Good	Fair	Juvenile	Medium (15-40)	Constrained growing environment, Suppressed	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (6.9%), bulk earthworks (0.16%) which enters the SRZ	Y	6.9	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
534	<i>Casuarina glauca</i>	Swamp Sheoak	1	11	13	2.0	12.6	1.5	7	5	Good	Fair	Juvenile	Medium (15-40)	Constrained growing environment, Suppressed	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (5.31%)	N	5.31	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		

Tree no.	Botanical Name	Common Name	Trees in group	DIBH Total (cm)	DIBH (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Requirements
535	<i>Eucalyptus botryoides</i>	Mahogany Gum	1	39	37	4.7	68.8	2.2	14	11	Good	Fair	Semi-mature	Short (5-15)	Constrained growing environment, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Over-extended branch(es), Previous failure(s), Suppressed, Wound(s)	Protected	Indigenous	1 (High)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (23.34%), bulk earthworks (18.19%) which enters the SRZ	Y	23.34	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
536	<i>Casuarina glauca</i>	Swamp Sheoak	1	37	41	4.4	61.9	2.3	15	11	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (32.73%), bulk earthworks (26.93%) which enters the SRZ	Y	32.73	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
537	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	12.04	18	2.0	12.6	1.6	6	5	Good	Good	Juvenile	Medium (15-40)	Constrained growing environment, Crossing/rubbing branches, Included bark, Suppressed	Protected	Native	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
538	<i>Eucalyptus botryoides</i>	Mahogany Gum	1	49.52	44	5.9	110.9	2.3	20	10	Poor	Fair	Mature	Short (5-15)	Co-dominant stems, Crossing/rubbing branches, Deadwood major (>10cm diameter), Dieback, Epicormic shoots, Weak attachments, Wound(s)	Protected	Indigenous	1 (High)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (6.21%), footpath (2.92%), bulk earthworks (3.62%)	N	6.21	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
539	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	10.77	16	2.0	12.6	1.5	6	5	Good	Good	Juvenile	Medium (15-40)	Constrained growing environment, Crossing/rubbing branches, Included bark, Suppressed	Protected	Native	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
540	<i>Eucalyptus robusta</i>	Swamp Mahogany	1	21	26	2.5	20.0	1.9	11	4	Poor	Poor	Semi-mature	Short (5-15)	Deadwood major (>10cm diameter), Dieback, Excessively thin crown density	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (4.31%), bulk earthworks (0.15%)	N	4.31	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
541	<i>Eucalyptus botryoides</i>	Mahogany Gum	1	46	58	5.5	95.7	2.6	17	12	Fair	Fair	Mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Over-extended branch(es)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (26.77%), bulk earthworks (14.01%)	N	26.77	Major	The impacts to this tree primarily relate to the hydrant booster. If this is moved to the west to be outside the TPZ, no significant impact to this tree is expected.	Retain - generic plus	Relocate the hydrant booster 5m to the west.		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
542	<i>Corymbia maculata</i>	Spotted Gum	1	14	17	2.0	12.6	1.6	8	4	Poor	Fair	Juvenile	Short (5-15)	Constrained growing environment, Deadwood moderate (3-10cm diameter), Dieback, Excessively thin crown density	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (66.88%), bulk earthworks (40.45%) which enters the SRZ	Y	66.88	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
543	<i>Eucalyptus robusta</i>	Swamp Mahogany	1	47	56	5.6	99.9	2.6	16	12	Good	Good	Mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Epicormic shoots, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (82.73%), bulk earthworks (76.15%) which enters the SRZ	Y	82.73	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
544	<i>Eucalyptus botryoides</i>	Mahogany Gum	1	53.15	51	6.4	127.8	2.5	17	14	Good	Good	Mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Epicormic shoots, Over-extended branch(es)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (78.1%), bulk earthworks (76.06%) which enters the SRZ	Y	78.1	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
545	<i>Casuarina glauca</i>	Swamp Sheoak	1	10	15	2.0	12.6	1.5	6	3	Good	Good	Juvenile	Short (5-15)	Constrained growing environment, Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (85.0%), bulk earthworks (65.22%) which enters the SRZ	Y	85	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
546	<i>Leptospermum petersonii</i>	Lemon-scented Tea Tree	1	12.12	33	2.0	12.6	2.1	6	5	Poor	Poor	Semi-mature	Short (5-15)	Co-dominant stems, Included bark, Weak attachments	Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
547	<i>Casuarina glauca</i>	Swamp Sheoak	1	10	15	2.0	12.6	1.5	6	3	Good	Good	Juvenile	Short (5-15)	Constrained growing environment, Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic			TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
548	<i>Casuarina glauca</i>	Swamp Sheoak	1	13	15	2.0	12.6	1.5	6	3	Good	Good	Juvenile	Long (>40)	Deadwood minor (<3cm diameter)	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				

Tree no.	Botanical Name	Common Name	Trees in group	DWH Total (cm)	DWB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STAR Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required
549	Casuarina glauca	Swamp Sheoak	1	34	44	4.1	52.3	2.3	17	5	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (89.3%), bulk earthworks (77.44%) which enters the SRZ	Y	89.3	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
550	Casuarina glauca	Swamp Sheoak	14	10	13	2.0	12.6	1.5	7	2	Good	Good	Juvenile	Medium (15-40)	Group of self-sown suckers	Groupnof 14 similarly sized trees.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
551	Casuarina glauca	Swamp Sheoak	1	32	40	3.8	46.3	2.3	17	5	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (90.49%), bulk earthworks (78.37%) which enters the SRZ	Y	90.49	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
552	Casuarina glauca	Swamp Sheoak	1	19.85	41	2.4	17.8	2.3	13	8	Good	Fair	Semi-mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Deadwood minor (<3cm diameter), Included bark, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (70.8%), bulk earthworks (47.4%) which enters the SRZ	Y	70.8	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
553	Casuarina glauca	Swamp Sheoak	1	30	39	3.6	40.7	2.2	16	5	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter), Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (70.15%), bulk earthworks (55.19%) which enters the SRZ	Y	70.15	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
554	Casuarina glauca	Swamp Sheoak	1	39	34	4.7	68.8	2.1	16	5	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (44.19%), bulk earthworks (32.81%) which enters the SRZ	Y	44.19	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
555	Eucalyptus botryoides	Mahogany Gum	1	41	46	4.9	76.0	2.4	20	15	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood major (>10cm diameter), Epicormic shoots	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (0.38%), footpath (0.52%)	N	0.52	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.		
556	Casuarina glauca	Swamp Sheoak	1	29	39	3.5	38.0	2.2	16	5	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter), Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (88.03%), bulk earthworks (74.96%) which enters the SRZ	Y	88.03	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
557	Casuarina glauca	Swamp Sheoak	1	29	34	3.5	38.0	2.1	16	5	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter), Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (38.87%), bulk earthworks (24.32%) which enters the SRZ	Y	38.87	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
558	Casuarina glauca	Swamp Sheoak	1	15.1	22	2.0	12.6	1.8	9	4	Poor	Poor	Juvenile	Short (5-15)	Co-dominant stems, Deadwood major (>10cm diameter), Dieback, Excessively thin crown density, Weak attachments	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (99.4%), bulk earthworks (82.73%) which enters the SRZ	Y	99.4	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
559	Casuarina glauca	Swamp Sheoak	1	20	34	2.4	18.1	2.1	14	4	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (28.51%), bulk earthworks (10.07%) which enters the SRZ	Y	28.51	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
560	Casuarina glauca	Swamp Sheoak	1	42	47	5.0	79.8	2.4	20	8	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter), Included bark, Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (95.52%), bulk earthworks (88.66%) which enters the SRZ	Y	95.52	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
561	Casuarina glauca	Swamp Sheoak	1	31	39	3.7	43.5	2.2	16	5	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
562	Ficus rubiginosa	Port Jackson Fig	1	36	45	4.3	58.6	2.4	12	11	Good	Good	Semi-mature	Long (>40)	Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Included bark, Over-extended branch(es), Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (99.57%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
563	Casuarina glauca	Swamp Sheoak	1	27	40	3.2	33.0	2.3	16	7	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (93.75%), bulk earthworks (83.21%) which enters the SRZ	Y	93.75	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
564	Casuarina glauca	Swamp Sheoak	1	26	41	3.1	30.6	2.3	16	5	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (60.65%), bulk earthworks (45.45%) which enters the SRZ	Y	60.65	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
565	Eucalyptus botryoides	Mahogany Gum	1	29	34	3.5	38.0	2.1	11	8	Fair	Good	Semi-mature	Medium (15-40)	Climbing vine, Deadwood moderate (3-10cm diameter), Dieback	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (14.71%) which enters the SRZ	Y	14.71	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
566	Casuarina glauca	Swamp Sheoak	1	12	15	2.0	12.6	1.5	9	3	Good	Good	Juvenile	Medium (15-40)	Constrained growing environment, Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (44.08%) which enters the SRZ	Y	44.08	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				

Tree no.	Botanical Name	Common Name	Trees in group	DBH Total (cm)	DBH (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARBS Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required
567	Casuarina glauca	Swamp Sheoak	1	34	43	4.1	52.3	2.3	18	9	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (52.22%), bulk earthworks (22.92%) which enters the SRZ	Y	52.22	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
568	Casuarina glauca	Swamp Sheoak	1	35.38	52	4.2	56.6	2.5	17	8	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Included bark	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (88.43%), bulk earthworks (77.33%) which enters the SRZ	Y	88.43	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
569	Casuarina glauca	Swamp Sheoak	1	12	15	2.0	12.6	1.5	9	3	Good	Good	Juvenile	Medium (15-40)	Constrained growing environment, Deadwood minor (<3cm diameter), Suppressed	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
570	Casuarina glauca	Swamp Sheoak	1	32	43	3.8	46.3	2.3	18	6	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (93.99%), bulk earthworks (78.11%) which enters the SRZ	Y	93.99	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
571	Ficus rubiginosa	Port Jackson Fig	1	38	52	4.6	65.3	2.5	10	17	Good	Good	Semi-mature	Long (>40)	Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Included bark, Over-extended branch(es), Wound(s)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (75.87%), bulk earthworks (53.23%) which enters the SRZ	Y	75.87	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
572	Casuarina glauca	Swamp Sheoak	1	41	49	4.9	76.0	2.5	16	7	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
573	Casuarina glauca	Swamp Sheoak	1	28	36	3.4	35.5	2.2	18	4	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
574	Casuarina glauca	Swamp Sheoak	1	31	37	3.7	43.5	2.2	18	6	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter)	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (100.0%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts				
575	Casuarina glauca	Swamp Sheoak	1	39	50	4.7	68.8	2.5	18	8	Good	Poor	Mature	Short (5-15)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Significant fault - bark inclusion(s), Wound(s)	Location estimated to be confirmed by surveyor.	Protected	Indigenous	1 (High)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (16.06%), bulk earthworks (5.21%)	N	16.06	Major	This species of tree is tolerant of root disturbance. In addition, it is in good and therefore expected to tolerate the anticipated root loss.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
576	Casuarina glauca	Swamp Sheoak	1	37	49	4.4	61.9	2.5	15	9	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Wound(s)	Location estimated to be confirmed by surveyor.	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (100.0%), bulk earthworks (99.27%) which enters the SRZ	Y	100	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
577	Casuarina glauca	Swamp Sheoak	1	30	39	3.6	40.7	2.2	6	8	Good	Poor	Semi-mature	Short (5-15)	Co-dominant stems, Over-extended branch(es), Suppressed	Location estimated to be confirmed by surveyor.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for warehouse and driveway (89.0%), bulk earthworks (75.17%) which enters the SRZ	Y	89	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
578	Eucalyptus grandis	Flooded Gum	1	70	84	8.4	221.7	3.1	20	18	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter), Hanger(s)	Location estimated to be confirmed by surveyor, DBH and DRJ estimated.	Protected	Native	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (35.34%), bulk earthworks (28.87%) which enters the SRZ	Y	35.34	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
579	Casuarina glauca	Swamp Sheoak	1	30	44	3.6	40.7	2.3	12	7	Good	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Over-extended branch(es), Suppressed	Location estimated to be confirmed by surveyor, DBH and DRJ Estimated.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (81.85%), bulk earthworks (67.36%) which enters the SRZ	Y	81.85	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
580	Casuarina glauca	Swamp Sheoak	1	34	45	4.1	52.3	2.4	14	7	Good	Good	Mature	Long (>40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Wound(s)	Location estimated to be confirmed by surveyor, DBH and DRJ Estimated.	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (27.75%), bulk earthworks (16.33%) which enters the SRZ	Y	27.75	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
581	Casuarina glauca	Swamp Sheoak	1	38	48	4.6	65.3	2.4	12	8	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter), Suppressed, Wound(s)	Location estimated to be confirmed by surveyor, DBH and DRJ Estimated.	Protected	Indigenous	1 (High)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (19.27%), bulk earthworks (10.34%) which enters the SRZ	Y	19.27	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
582	Casuarina glauca	Swamp Sheoak	1	13	20	2.0	12.6	1.7	10	3	Good	Good	Mature	Medium (15-40)	Deadwood minor (<3cm diameter), Suppressed	Location estimated to be confirmed by surveyor, DBH and DRJ Estimated.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for warehouse and driveway (18.07%), bulk earthworks (1.32%) which enters the SRZ	Y	18.07	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
583	Casuarina glauca	Swamp Sheoak	1	20	30	2.4	18.1	2.0	12	8	Good	Good	Mature	Long (>40)	Climbing vine, Co-dominant stems, Deadwood minor (<3cm diameter)	Location estimated to be confirmed by surveyor, DBH and DRJ Estimated.	Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for warehouse and driveway (5.2%), 800mm pier hole (2.59%) which enters the SRZ	Y	5.2	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
584	Casuarina glauca	Swamp Sheoak	1	36	45	4.3	58.6	2.4	12	8	Good	Good	Mature	Short (5-15)	Climbing vine, Co-dominant stems, Deadwood moderate (3-10cm diameter), Dieback, Over-extended branch(es), Suppressed, Wound(s)	Location estimated to be confirmed by surveyor, DBH and DRJ Estimated.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	TPZ encroachment for 800mm pier hole (0.26%)	N	0.26	Minor	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	

Tree no.	Botanical Name	Common Name	Trees in group	DBH total (cm)	DBH (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARBS Significance Rating	Retention Value	Encroachment into TPZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)	Tree Protection Measures	Pruning Required
585	Casuarina glauca	Swamp Sheoak	1	20	35	2.4	18.1	2.1	12	8	Good	Good	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Mechanical damage, Suppressed, Wound(s)	Location estimated to be confirmed by surveyor, DBH and DRJ Estimated.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
586	Eucalyptus grandis	Flooded Gum	1	37	40	4.4	61.9	2.3	17	10	Fair	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Epicormic shoots, Included bark, Mechanical damage, Wound(s)	Location estimated to be confirmed by surveyor, DBH and DRJ estimated.	Protected	Native	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
587	Casuarina glauca	Swamp Sheoak	1	35	40	4.2	55.4	2.3	15	9	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Included bark, Mechanical damage, Wound(s)	Location estimated to be confirmed by surveyor, DBH and DRJ estimated.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
588	Casuarina glauca	Swamp Sheoak	1	18	23	2.2	14.7	1.8	9	4	Good	Fair	Semi-mature	Medium (15-40)	Climbing vine, Suppressed	Location estimated to be confirmed by surveyor, DBH and DRJ estimated.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
589	Casuarina glauca	Swamp Sheoak	1	20	23	2.4	18.1	1.8	11	4	Good	Fair	Semi-mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Suppressed	Location estimated to be confirmed by surveyor, DBH and DRJ estimated.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic		TPZ fencing and trunk protection. Ground protection required where machinery access is required within the fenced TPZ. All works within the TPZ are to be supervised by the project arborist.	
590	Acacia longifolia	Sydney Golden Wattle	1	29	31	3.5	38.0	2.0	6	6	Fair	Poor	Mature	Short (5-15)	Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Mechanical damage, Suppressed, Wound(s)		Protected	Indigenous	2 (Medium)	Low - Consider for Removal	TPZ encroachment for palisade fence (10.77%) which enters the SRZ	Y	10.77	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
591	Acacia longifolia	Sydney Golden Wattle	1	16.28	26	2.0	12.6	1.9	6	8	Fair	Fair	Mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Suppressed, Wound(s)		Protected	Indigenous	2 (Medium)	High - Priority for Retention	TPZ encroachment for palisade fence (10.49%) which enters the SRZ	Y	10.49	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
592	Acacia longifolia	Sydney Golden Wattle	1	32.94	43	4.0	49.1	2.3	12	9	Fair	Fair	Mature	Short (5-15)	Co-dominant stems, Crossing/rubbing branches, Deadwood major (>10cm diameter), Included bark, Wound(s)		Protected	Indigenous	2 (Medium)	Low - Consider for Removal	TPZ encroachment for palisade fence (8.01%) which enters the SRZ	Y	8.01	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
593	Eucalyptus microcorys	Tallowood	1	22.2	29	2.7	22.3	2.0	9	6	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter), Included bark		Protected	Native	2 (Medium)	High - Priority for Retention	TPZ encroachment for palisade fence (12.79%) which enters the SRZ	Y	12.79	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
593a	Casuarina glauca	Swamp Sheoak	40	6	80	2.0	12.6	3.0	7	0.5	Good	Good	Juvenile	Medium (15-40)	Group of self-sown suckers	Group of 40 self sown saplings that do not meet the required trunk diameter for Randwick council to consider trees, typical throughout the bank.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	TPZ encroachment for palisade fence (15.19%) which enters the SRZ	Y	15.19	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
594	Eucalyptus microcorys	Tallowood	1	21.93	33	2.6	21.8	2.1	9	7	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter), Included bark		Protected	Native	2 (Medium)	High - Priority for Retention	TPZ encroachment for palisade fence (12.32%) which enters the SRZ	Y	12.32	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
595	Eucalyptus microcorys	Tallowood	1	20.52	33	2.5	19.0	2.1	9	6	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood minor (<3cm diameter), Included bark		Protected	Native	2 (Medium)	High - Priority for Retention	TPZ encroachment for palisade fence (13.08%) which enters the SRZ	Y	13.08	Major	Tree not viable for retention due to impacts to the crown and/or root zone that cannot be reduced or remediated under the current design.	Remove - project impacts			
596	Dead tree	Dead tree	1	24	37	2.9	26.1	2.2	5	4	Dead	Poor	Semi-mature	Dead Or Hazardous/ Remove (0-5)	Significant fault - standing dead tree		Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	TPZ encroachment for palisade fence (11.33%) which enters the SRZ	Y	11.33	Major	Tree should be considered for removal irrespective of development due to its current condition and/or weed status.	Remove - irrespective			

13. Appendix C – Tree Protection Management Plan



canopy
consulting